

City of Albany



GREEN BUILDING STANDARDS OF COMPLIANCE & CHECKLISTS

City of Albany Green Building Standards of Compliance

Proposed Standards: Effective July 3, 2007

Project Description		Building Improvements		
		Checklist Required	Minimum Threshold	Third-party Verification
City Sponsored Projects	New construction less than 5,000 sq ft	LEED-NC Checklist (Version 2.2)	Maximum points practicable	At plan check only
	New construction more than 5,000 sq ft		Gold (39 points)	US Green Bldg Council
	Renovation less than 5,000 sq ft	LEED-CI Checklist (Version 2.0)	Maximum points practicable	At plan check only
	Renovation more than 5,000 sq ft		Gold (32 points)	US Green Bldg Council
Commercial Construction & Renovation Projects	New construction less than 5,000 sq ft	LEED-NC Checklist (Version 2.2)	Maximum points practicable	At plan check only
	New construction more than 5,000 sq ft		Gold (39 points)	US Green Bldg Council
	Renovation less than 5,000 sq ft	LEED-CI Checklist (Version 2.0)	Maximum points practicable	At plan check only
	Renovation more than 5,000 sq ft		Gold (32 points)	US Green Bldg Council
Single Family Residential	New construction	Single-Family Greenpoint Checklist (2006 Edition)	50 Points	At plan check only
	Renovation subject to Design Review	Green Points Rating System for Remodeling projects (2004 version + City Point Incentives)	50 Points	
Multi-family Residential	New construction or renovation of less than 5 units	Multifamily Greenpoint Checklist (2005 Edition version v.2)	Maximum points practicable	City Staff and/or certified 3rd party inspection
	New construction or renovation of more than 5 units		Minimum Points Standard	
Mixed Use	Consult with Planning Division staff			

City of Albany Green Building Standards of Compliance

Proposed Standards: Effective July 3, 2007

Project Description	Landscaping Improvements		
	Checklist Required	Minimum Threshold	Third-party Verification (Field Verification required of all projects)
City Sponsored Projects	Bay-Friendly Landscaping Checklist	Minimum Points Standard	At plan check only
Commercial Construction & Renovation Projects			
Single Family Residential	Not Required	Not Required	Not Required
Multi-family Residential	Bay-Friendly Landscaping Checklist	Minimum Points Standard	At plan check only
Mixed Use			



City of Albany

Green Building Program Rating System for Remodeling Projects Supplemental Application Form

Project Address: _____

Checklist Prepared By: _____

Date Prepared: _____

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

			INPUT	Resources	Energy	IAQ/Health
11. Use Reclaimed Lumber for Non Structural Applications	3 Resource pts	y=yes				
12. Use OSB						
a. Subfloors	1 Resource pt	y=yes				
b. Sheathing	1 Resource pt	y=yes				
D. Exterior Finish						
1. Use Sustainable Decking Materials						
a. Recycled content	3 Resource pts	y=yes				
b. FSC Certified Wood	3 Resource pts	y=yes				
2. Use Treated Wood That Does Not Contain Chromium/Arsenic	1 IAQ/Health pt	y=yes				
3. Install House Wrap under Siding	1 IAQ/Health pt	y=yes				
4. Use Fiber-Cement Siding Materials	1 Resource pt	y=yes				
E. Plumbing						
1. Install Water Heater Jacket	1 Energy pt	y=yes				
2. Insulate Hot and Cold Water Pipes	2 Energy pts	y=yes				
3. Retrofit all Faucets and Showerheads with Flow Reducers						
a. Faucets (1 point each, up to 2 points)	Up to 2 Resource pts.					
b. Showerheads (1 point each, up to 2 points)	Up to 2 Resource pts.					
4. Replace Toilest with Ultra-Low Flush Toilets (1 point each, up to 3 points)	Up to 3 Resource pts.					
5. Install Chlorine Filter on Showerhead	1 IAQ/Health pt	y=yes				
6. Convert Gas to Tankless Water Heater	4 Energy pts	y=yes				
7. Install Water Filtration Units at Faucets (2 points each, up to 4 points)	Up to 4 IAQ/Health pts.					
8. Install On-Demand Hot Water Circulation Pump	4 Resource pts	y=yes				
F. Electrical						
1. Install Compact Fluorescent Light Bulbs (CFLs) (6 bulbs=2 points, 10 bulbs =3 points, 12 bulbs = 4 points)	Up to 4 Energy pts.					
2. Install IC-AT Recessed Fixtures with CFLs (1 point each, up to 5 points)	Up to 5 Energy pts.					
3. Install Lighting Controls (1 point per fixture, up to 4 points)	Up to 4 Energy pts.					
4. Install High Efficiency Ceiling Fans with CFLs (1 point each, up to 4 points)	Up to 4 Energy pts.					
G. Appliances						
1. Install Energy Star Dishwasher	1 Energy pt	y=yes				
2. Install Washing Machine with Water and Energy Conservation Features	1 Energy pt	y=yes				
3. Install Energy Star Refrigerator	1 Energy pt	y=yes				
4. Install Built-In Recycling Center	3 Resource pts	y=yes				
H. Insulation						
1. Upgrade Insulation to Exceed Title 24 Requirements						
a. Walls	2 Energy pts	y=yes				
b. Ceilings	2 Energy pts	y=yes				
2. Install Floor Insulation over Crawl Space	4 Energy pts	y=yes				
3. Install Recycled-Content, Fiberglass Insulation with No Added Formaldehyde	3 IAQ/Health pts	y=yes				

			INPUT	Resources	Energy	IAQ/Health
4. Use Advanced Infiltration Reduction Practices	2 Energy pts	y=yes				
5. Use Cellulose Insulation						
a. Walls	4 Resource pts	y=yes				
b. Ceilings	4 Resource pts	y=yes				
6. Alternative Insulation Products (Cotton, spray-foam)						
a. Walls	4 Resource pts	y=yes				
b. Ceilings	4 Resource pts	y=yes				
I. Windows						
1. Install Energy-Efficient Windows						
a. Double-Paneled	1 Energy pt	y=yes				
b. Low-Emissivity (Low-E)	2 Energy pts	y=yes				
c. Low. Conductivity Frames	2 Energy pts	y=yes				
2. Install Low Heat Transmission Glazing	1 Energy pt	y=yes				
J. Heating Ventilation and Air Conditioning						
1. Use Duct Mastic on All Duct Joints	2 Energy pts	y=yes				
2. Install Ductwork within Conditioned Space	3 Energy pts	y=yes				
3. Vent Range Hood to the Outside	1 IAQ/Health pt	y=yes				
4. Clean all Ducts Before Occupancy	2 IAQ/Health pts	y=yes				
5. Install Solar Attic Fan	2 Energy pts	y=yes				
6. Install Attic Ventilation Systems	1 Energy pt	y=yes				
7. Install Whole House Fan	4 Energy pts	y=yes				
8. Install Sealed Combustion Units						
a. Furnaces	3 IAQ/Health pts	y=yes				
b. Water Heaters	3 IAQ/Health pts	y=yes				
9. Replace Wall-Mounted Electric and Gas Heaters with Through-the-Wall Heat Pumps	3 Energy pts	y=yes				
10. Install 13 SEER/11 EER or higher AC with a TXV	3 Energy pts	y=yes				
11. Install AC with Non-HCFC Refrigerants	2 Resource pts	y=yes				
12. Install 90% Annual Fuel Utilization Efficiency (AFUE) Furnace	2 Energy pts	y=yes				
13. Retrofit Wood Burning Fireplaces						
a. Install EPA certified wood stoves/inserts	1 IAQ/Health pt	y=yes				
b. Install/Replace Dampers	1 Energy pt	y=yes				
c. Install Airtight Doors	1 Energy pt	y=yes				
14. Install Zoned, Hydronic Radiant Heating	3 Energy pts	y=yes				
15. Install High Efficiency Filter	4 IAQ/Health pts	y=yes				
16. Install Heat Recovery Ventilation Unit (HRV)	5 IAQ/Health pts	y=yes				
17. Install Separate Garage Exhaust Fan	3 IAQ/Health pts	y=yes				
K. Renewable Energy and Roofing						
1. Pre-Plumb for Solar Water Heating	4 Energy pts	y=yes				
2. Install Solar Water Heating System	10 Energy pts	y=yes				
3. Pre-Wire for Future Photovoltaic (PV) Installation	4 Energy pts	y=yes				
4. Install Photovoltaic (PV) System (1.2 kw = 6 points, 2.4 kw = 12 points, 3.6 kw = 18 points)	Up to 18 Energy pts					
6. Select Safe and Durable Roofing Materials	1 Resource pt	y=yes				
7. Install Radiant Barrier	3 Energy pts	y=yes				

			INPUT	Resources	Energy	IAQ/Health
L. Natural Heating and Cooling						
1. Incorporate Passive Solar Heating	5 Energy pts	y=yes				
2. Install Overhangs or Awnings over South Facing Windows	3 Energy pts	y=yes				
3. Plant Deciduous Trees on the West and South Sides	3 Energy pts	y=yes				
M. Indoor Air Quality and Finishes						
1. Use Low/No-VOC Paint	1 IAQ/Health pts	y=yes				
2. Use Low VOC, Water-Based Wood Finishes	2 IAQ/Health pts	y=yes				
3. Use Low/No VOC Adhesives	3 IAQ/Health pts	y=yes				
4. Use Salvaged Materials for Interior Finishes	3 Resource pts	y=yes				
5. Use Engineered Sheet Goods with no added Urea Formaldehyde	6 IAQ/Health pts	y=yes				
6. Use Exterior Grade Plywood for Interior Uses	1 IAQ/Health pts	y=yes				
7. Seal all Exposed Particleboard or MDF	4 IAQ/Health pts	y=yes				
8. Use FSC Certified Materials for Interior Finish	4 Resource pts	y=yes				
9. Use Finger-Jointed or Recycled-Content Trim	1 Resource pts	y=yes				
10. Install Whole House Vacuum System	3 IAQ/Health pts	y=yes				
N. Flooring						
1. Select FSC Certified Wood Flooring	8 Resource pts	y=yes				
2. Use Rapidly Renewable Flooring Materials	4 Resource pts	y=yes				
3. Use Recycled Content Ceramic Tiles	4 Resource pts	y=yes				
4. Install Natural Linoleum in Place of Vinyl	5 IAQ/Health pts	y=yes				
5. Use Exposed Concrete as Finished Floor	4 Resource pts	y=yes				
6. Install Recycled Content Carpet with Low VOCs	4 Resource pts	y=yes				
O. City of Albany Incentives						
1. Additions less than 50% increase in floor area	20 Resource pts	y=yes				
2. Additions less than 200sq.ft. or resulting in less than 1,500sq.ft.	10 Resource pts	y=yes				
3. Seismic upgrade of existing building	25 Resource pts	y=yes				
4. For having a hybrid or zero emissions vehicle	2 IAQ/Health pts	y=yes				
5. For having no automobile	5 Resource pts	y=yes				
6. Plant more than one street tree when feasible	2 IAQ/Health pts	y=yes				
7. Earthquake kit	2 IAQ/Health pts	y=yes				

G:\data\progs\greenbuildingguidelines\remodelers\greenpointsfinal2.12.04protected.xls



City of Albany

New Home Green Points Checklist Supplemental Application Form

Project Address: _____

Checklist Prepared By: _____

Date Prepared: _____

ENTER PROJECT NAME	Community	Energy	IAQ/Health	Resources	Water
A. SITE	Possible Points				
<input type="checkbox"/> 1. Protect Native Soil and Minimize Disruption of Existing Plants & Trees					
<input type="checkbox"/> a. Protect Native Topsoil from Erosion and Reuse after Construction	1				1
<input type="checkbox"/> b. Limit and Delineate Construction Footprint for Maximum Protection					1
<input type="checkbox"/> 2. Deconstruct Instead of Demolishing Existing Buildings On Site				3	
<input type="checkbox"/> 3. Recycle Job Site Construction Waste (Including Green Waste)					
<input type="checkbox"/> a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) - <i>Required</i>				R	
<input type="checkbox"/> b. Minimum 65% Diversion by Weight (Recycling or Reuse)				2	
<input type="checkbox"/> c. Minimum 80% Diversion by Weight (Recycling or Reuse)				2	
<input type="checkbox"/> 4. Use Recycled Content Aggregate (Minimum 25%)					
<input type="checkbox"/> a. Walkway and Driveway				1	
<input type="checkbox"/> b. Roadway Base				1	
B. LANDSCAPING	Possible Points				
<input type="checkbox"/> 1. Construct Resource-Efficient Landscapes					
<input type="checkbox"/> a. No Invasive Species Listed by Cal-IPC Are Planted					1
<input type="checkbox"/> b. No Plant Species Will Require Hedging				1	
<input type="checkbox"/> c. 75% of Plants Are California Natives or Mediterranean Species					1
<input type="checkbox"/> 2. Use Fire-Safe Landscaping Techniques	1				
<input type="checkbox"/> 3. Minimize Turf Areas in Landscape Installed by Builder					
<input type="checkbox"/> a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue					2
<input type="checkbox"/> b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide					2
<input type="checkbox"/> c. Turf is <33% of Landscaped Area					2
<input type="checkbox"/> d. Turf is <10% of Landscaped Area					2
<input type="checkbox"/> 4. Plant Shade Trees		1			1
<input type="checkbox"/> 5. Implement Hydrozoning: Group Plants by Water Needs					1
<input type="checkbox"/> 6. Install High-Efficiency Irrigation Systems					
<input type="checkbox"/> a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers					1
<input type="checkbox"/> b. System Has Smart (Weather-Based) Controllers					2
<input type="checkbox"/> 7. Apply Two Inches of Compost in the Top 6 to 12 Inches of Soil					2
<input type="checkbox"/> 8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement					1
<input type="checkbox"/> 9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements				1	
<input type="checkbox"/> 10. Reduce Light Pollution by Shielding Fixtures and/or Directing Light Downward	1				

C. FOUNDATION		Possible Points			
1. Incorporate Recycled Flyash in Concrete					
<input type="checkbox"/>	a. Minimum 20% Flyash			1	
<input type="checkbox"/>	b. Minimum 25% Flyash (1 pt)			1	
<input type="checkbox"/>	2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)			3	
<input type="checkbox"/>	3. Use Radon Resistant Construction (In At-Risk Locations Only)			1	

D. STRUCTURAL FRAME & BUILDING ENVELOPE		Possible Points			
1. Apply Optimal Value Engineering					
<input type="checkbox"/>	a. 2x4 Studs at 24-Inch On Center Framing			1	
<input type="checkbox"/>	b. Door and Window Headers Sized for Load			1	
<input type="checkbox"/>	c. Use Only Jack and Cripple Studs Required for Load			1	
2. Use Engineered Lumber					
<input type="checkbox"/>	a. Beams and Headers			1	
<input type="checkbox"/>	b. Insulated Engineered Headers	1			
<input type="checkbox"/>	c. Wood I-Joists or Web Trusses for Floors			1	
<input type="checkbox"/>	d. Wood I-Joists for Ceilings			1	
<input type="checkbox"/>	e. Engineered or Finger-Jointed Studs for Vertical Applications			1	
3. Use FSC-Certified Wood					
<input type="checkbox"/>	a. Dimensional Studs: Minimum 40%			2	
<input type="checkbox"/>	b. Dimensional Studs: Minimum 75%			2	
<input type="checkbox"/>	c. Panel Products: Minimum 40%			1	
<input type="checkbox"/>	d. Panel Products: Minimum 70%			1	
<input type="checkbox"/>	4. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)	1			
<input type="checkbox"/>	5. Design Trusses to Accommodate Ductwork	1			
6. Use Oriented Strand Board (OSB)					
<input type="checkbox"/>	a. Subfloor			1	
<input type="checkbox"/>	b. Sheathing			1	
<input type="checkbox"/>	7. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing			1	
8. Use Solid Wall Systems (Includes SIPs, ICFs, & Any Non-Stick Frame Assembly)					
<input type="checkbox"/>	a. Floors		2	2	
<input type="checkbox"/>	b. Walls		2	2	
<input type="checkbox"/>	c. Roofs		2	2	
<input type="checkbox"/>	9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weigh more than 40 lb/cu.ft.	1			
10. Design and Build Structural Pest Controls					
<input type="checkbox"/>	a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers			1	
<input type="checkbox"/>	b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation			1	
11. Reduce Pollution Entering the Home from the Garage					
<input type="checkbox"/>	a. Tightly Seal the Air Barrier between Garage and Living Area			1	
<input type="checkbox"/>	b. Install Separate Garage Exhaust Fan			1	
12. Install Overhangs and Gutters					
<input type="checkbox"/>	a. Minimum 16-Inch Overhangs and Gutters			1	
<input type="checkbox"/>	b. Minimum 24-Inch Overhangs and Gutters	1			

E. EXTERIOR FINISH		Possible Points			
<input type="checkbox"/>	1. Use Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking			2	
<input type="checkbox"/>	2. Install a Drainage Plane (Rain Screen Wall System)			2	
<input type="checkbox"/>	3. Use Durable and Non-Combustible Siding Materials			1	
<input type="checkbox"/>	4. Select Durable and Non-Combustible Roofing Materials			2	

F. PLUMBING		Possible Points			
1. Distribute Domestic Hot Water Efficiently					
<input type="checkbox"/>	a. Insulate Hot Water Pipes from Water Heater to Kitchen				1
<input type="checkbox"/>	b. Insulate All Hot Water Pipes OR Install On-Demand Hot Water Circulation System in conjunction with F.1.a Insulate Hot Water Pipes from Water Heater to Kitchen	1			1
<input type="checkbox"/>	c. Locate the Water Heater within 25 feet of All Hot Water Fixtures and Appliances				1
<input type="checkbox"/>	d. Use Engineered Parallel Piping	1			
<input type="checkbox"/>	2. Install Only High Efficiency Toilets (Dual-Flush or <=1.3 gpf)				3

G. APPLIANCES		Possible Points			
1. Install ENERGY STAR Dishwasher					
<input type="checkbox"/>	a. ENERGY STAR		1		
<input type="checkbox"/>	b. Dishwasher Uses No More than 6.5 Gallons/Cycle		1		1
<input type="checkbox"/>	2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less		1		3
3. Install ENERGY STAR Refrigerator					
<input type="checkbox"/>	a. ENERGY STAR: 15% above Federal Minimum		1		
<input type="checkbox"/>	b. Super-Efficient Home Appliance Tier 2: 25% above Federal Minimum		1		
<input type="checkbox"/>	4. Install Built-In Recycling Center				2

H. INSULATION		Possible Points			
1. Install Insulation with 75% Recycled Content					
<input type="checkbox"/>	a. Walls and/or Floors				1
<input type="checkbox"/>	b. Ceilings				1
2. Install Insulation that is Low-Emitting (Certified Section 01350)					
<input type="checkbox"/>	a. Walls and/or Floors			1	
<input type="checkbox"/>	b. Ceilings			1	
<input type="checkbox"/>	3. Pre-Drywall Inspection Shows Quality Installation of Insulation		1		

I. HEATING, VENTILATION & AIR CONDITIONING		Possible Points			
<input type="checkbox"/>	1. Design and Install HVAC System to ACCA Manual J, D, and S Recommendations		4		
2. Install Sealed Combustion (Direct Vent) Units in Conditioned Space					
<input type="checkbox"/>	a. Furnaces			2	
<input type="checkbox"/>	b. Water Heaters			2	
<input type="checkbox"/>	3. No Fireplace or Sealed Gas Fireplace with Efficiency Rating Not Less Than 60%			1	
<input type="checkbox"/>	4. Install ENERGY STAR Ceiling Fans with CFLs in Living Areas and Bedrooms		1		
5. Install Ventilation System for Nighttime Cooling					
<input type="checkbox"/>	a. Whole House Fan		1		
<input type="checkbox"/>	b. Automatically Controlled Integrated System		2		
<input type="checkbox"/>	c. Integrated System with Variable Speed Control		3		
<input type="checkbox"/>	6. Install Air Conditioning with Non-HCFC Refrigerants	1			
7. Design and Install Effective Ductwork					
<input type="checkbox"/>	a. Install HVAC Unit and Ductwork within Conditioned Space		3		
<input type="checkbox"/>	b. Use Duct Mastic on All Duct Joints and Seams		1		
<input type="checkbox"/>	c. Install Ductwork under Attic Insulation (Buried Ducts)		1		
<input type="checkbox"/>	d. Pressure Balance the Ductwork System for Master Bedroom		1		
<input type="checkbox"/>	e. Protect Ducts during Construction and Clean All Ducts before Occupancy			1	
<input type="checkbox"/>	8. Install High Efficiency HVAC Filter (MERV 6+)			1	
<input type="checkbox"/>	9. Install Zoned, Hydronic Radiant Heating with Slab Edge Insulation		1	1	

10. Install Mechanical Ventilation System					
<input type="checkbox"/>	a. Any Whole House Ventilation System That Meets ASHRAE 62.2		1	2	
<input type="checkbox"/>	b. Install ENERGY STAR Bathroom Fan			1	
<input type="checkbox"/>	c. All Bathroom Fans Are on Timer or Humidistat			1	
<input type="checkbox"/>	11. Use Low-Sone Range Hood Vented to the Outside			1	
<input type="checkbox"/>	12. Install Carbon Monoxide Alarm(s)			1	

J. BUILDING PERFORMANCE		Possible Points			
<input type="checkbox"/> 0%	1. Design and Build High Performance Homes (2 points for each 1% above T-24, up to 30 pts) <i>Enter the percent above Title 24 in the cell at left. Any value over 15% will automatically earn 30 points.</i>		30		
	2. House Obtains ENERGY STAR with Indoor Air Package Certification			5	2
3. Inspection and Diagnostic Evaluations					
<input type="checkbox"/>	a. Third Party Energy and Green Building Review of Home Plans		1	1	1
<input type="checkbox"/>	b. Blower Door Test Performed		1		
<input type="checkbox"/>	c. House Passes Combustion Safety Backdraft Test			1	

K. RENEWABLE ENERGY		Possible Points			
<input type="checkbox"/>	1. Pre-Plumb for Solar Hot Water Heating		4		
<input type="checkbox"/>	2. Install Solar Water Heating System		10		
<input type="checkbox"/>	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft² of South-Facing Roof		2		
4. Install Photovoltaic (PV) Panels					
<input type="checkbox"/>	a. 1.2 kW System		6		
<input type="checkbox"/>	b. 2.4 kW System		6		
<input type="checkbox"/>	c. 3.6 kW or more		6		

L. FINISHES		Possible Points			
<input type="checkbox"/>	1. Provide Permanent Walk-Off Mats and Shoe Storage at Home Entrances			1	
2. Use Low/No-VOC Paint					
<input type="checkbox"/>	a. Low-VOC Interior Wall/Ceiling Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))			1	
<input type="checkbox"/>	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))			3	
<input type="checkbox"/>	3. Use Low VOC, Water-Based Wood Finishes (<150 gpl VOCs)			2	
<input type="checkbox"/>	4. Use Low-VOC Construction Adhesives (<70 gpl VOCs) for All Adhesives			2	
<input type="checkbox"/>	5. Use Recycled-Content Paint				1
6. Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed Lumber, C) Rapidly Renewable D) Recycled-Content or E) Finger-Jointed					
At Least 50% of Each Material (1 pt each):					
<input type="checkbox"/>	a. Cabinets				1
<input type="checkbox"/>	b. Interior Trim				1
<input type="checkbox"/>	c. Shelving				1
<input type="checkbox"/>	d. Doors				1
<input type="checkbox"/>	e. Countertops				1
7. Reduce Formaldehyde in Interior Finish (Section 01350) for At Least 50% of Each Material Below:					
<input type="checkbox"/>	a. Cabinets			1	
<input type="checkbox"/>	b. Interior Trim			1	
<input type="checkbox"/>	c. Shelving			1	
<input type="checkbox"/>	d. Subfloor			1	

<input type="checkbox"/>	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb			3		
--------------------------	---	--	--	---	--	--

M. FLOORING		Possible Points				
1. Use Environmentally Preferable Flooring: A) FSC-Certified or Reclaimed Wood, B) Rapidly Renewable Flooring Materials, C) Recycled-Content Ceramic Tiles, D) Exposed Concrete as Finished Floor or E) Recycled-Content Carpet. <i>Note: Flooring Adhesives Must Have <50 gpl VOCs.</i>						
<input type="checkbox"/>	a. Minimum 15% of Floor Area			1		
<input type="checkbox"/>	b. Minimum 30% of Floor Area			1		
<input type="checkbox"/>	c. Minimum 50% of Floor Area			1		
<input type="checkbox"/>	d. Minimum 75% of Floor Area			1		
<input type="checkbox"/>	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors		1			
<input type="checkbox"/>	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)			2		

N. OTHER		Possible Points				
<input type="checkbox"/>	1. Incorporate Green Points Checklist in Blueprints - <i>Required</i>					
<input type="checkbox"/>	2. Develop Homeowner Manual of Green Features/Benefits					
3. Community Design measures & Local Priorities. See the Community Planning & Design section in Chapter 4 of the New Home Guidelines for measures. Maximum of 20 points for suggested measures. Local requirements may also be listed here.						
<input type="checkbox"/>	4. For having a hybrid or zero emissions vehicle					
<input type="checkbox"/>	5. For having no automobile					
<input type="checkbox"/>	6. Planting more than one street tree when feasible					
<input type="checkbox"/>	7. Earthquake kit					

Summary							
Points Achieved from Specific Categories			0	0	0	0	0
Total Points Achieved			0				



City of Albany

Multifamily GreenPoint Checklist Supplemental Application Form

Project Address: _____

Checklist Prepared By: _____

Date Prepared: _____

ENTER PROJECT NAME		Community	Energy	IAQ/Health	Resources	Water
A. PLANNING & DESIGN		Possible Points				
1. Infill Sites						
<input type="checkbox"/>	a. Project is Located Within an Urban Growth Boundary & Avoids Environmentally Sensitive Sites	1				
<input type="checkbox"/>	b. Project Includes the Redevelopment of At Least One Existing Building				1	
0	c. Housing Density of 15 Units Per Acre or More (1 pt for every 5 u/a) <i>Enter Project Density Number (In Units Per Acre)</i>	10				
<input type="checkbox"/>	d. Locate Within Existing Community that has Sewer Line & Utilities in Place	1				
<input type="checkbox"/>	e. Project Redevelops a Brownfield Site or is Designated a Redevelopment Area by a City	1				
f. Site has Pedestrian Access Within ½ Mile to Neighborhood Services (1 Pt for 5 Or More, 2 Pts for 10 Or More):						
<input type="checkbox"/>	1) Bank	2				
<input type="checkbox"/>	2) Place of Worship					
<input type="checkbox"/>	3) Full Scale Grocery/Supermarket					
<input type="checkbox"/>	4) Day Care					
<input type="checkbox"/>	5) Cleaners					
<input type="checkbox"/>	6) Fire Station					
<input type="checkbox"/>	7) Hair Care					
<input type="checkbox"/>	8) Hardware					
<input type="checkbox"/>	9) Laundry					
<input type="checkbox"/>	10) Library					
<input type="checkbox"/>	11) Medical/Dental					
<input type="checkbox"/>	12) Senior Care Facility					
<input type="checkbox"/>	13) Public Park					
<input type="checkbox"/>	14) Pharmacy					
<input type="checkbox"/>	15) Post Office					
<input type="checkbox"/>	16) Restaurant					
<input type="checkbox"/>	17) School					
<input type="checkbox"/>	18) After School Programs					
<input type="checkbox"/>	19) Commercial Office					
<input type="checkbox"/>	20) Community Center					
<input type="checkbox"/>	21) Theater/Entertainment					
<input type="checkbox"/>	22) Convenience Store Where Meat & Produce are Sold.					
g. Proximity to Public Transit						
Development is Located Within:						
<input type="checkbox"/>	1/4 Mile of One Planned or Current Bus Line Stop	1				
<input type="checkbox"/>	1/4 Mile of Two or More Planned or Current Bus Line Stops	1				
<input type="checkbox"/>	1/2 Mile of a Commuter Train/Light Rail Transit System	1				
h. Reduced Parking Capacity:						
<input type="checkbox"/>	Less than 1.5 Parking Spaces Per Unit	1				
<input type="checkbox"/>	Less than 1.0 Parking Spaces Per Unit	1				
2. Mixed-Use Developments						
<input type="checkbox"/>	a. At least 2% of Development Floorspace Supports Mixed Use (Non-Residential Tenants)	1				
<input type="checkbox"/>	b. Half of Above Non-Residential Floorspace is Dedicated to Neighborhood Services	1				
3. Building Placement & Orientation						
<input type="checkbox"/>	a. Protect Soil & Existing Plants & Trees	1				
4. Design for Walking & Bicycling						
<input type="checkbox"/>	a. Sidewalks Are Physically Separated from Roadways & Are 5 Feet Wide	1				
<input type="checkbox"/>	b. Traffic Calming Strategies Are Installed by the Developer	1				
<input type="checkbox"/>	c. Provide Dedicated, Covered & Secure Bicycle Storage for 15% of Residents	1				
<input type="checkbox"/>	d. Provide Secure Bicycle Storage for 5% of Non-Residential Tenant Employees & Visitors	1				

5. Social Gathering Places						
<input type="checkbox"/>	a. Outdoor Gathering Places for Residents (Average of 50 sf Per Unit Or More)	1				
<input type="checkbox"/>	b. Outdoor Gathering Places Provide Natural Elements (<i>For compact sites only; this point not available if A.5a is checked</i>)	1				
6. Design for Safety and Natural Surveillance						
<input type="checkbox"/>	a. All Main Entrances to the Building and Site are Prominent and Visible from the Street	1				
<input type="checkbox"/>	b. Residence Entries Have Views to Callers (Windows or Double Peep Holes) & Can Be Seen By Neighbors	1				
7. Landscaping						
<input checked="" type="checkbox"/>	<i>Check here if the landscape area is <10% of the total site area. Projects with <10% landscape area can only check up to 3 boxes in this section.</i>					
<input type="checkbox"/>	a. No Plant Species will Require Shearing				1	
<input type="checkbox"/>	b. No plantings are Listed on the Invasive Plant Inventory by the California Invasive Plant Council				1	
<input type="checkbox"/>	c. Specify California Native or Mediterranean Species that Require Occasional, Little or No Summer Watering					1
d. Create Drought Resistant Soils:						
<input type="checkbox"/>	i. Mulch All Planting Beds to a Depth of 2 Inches or Greater as Per Local Ordinance					1
<input type="checkbox"/>	ii. Amend with 1 Inch of Compost or as per Soil Analysis to Reach 3.5% Soil Organic Matter					1
e. Design & Install High-Efficiency Irrigation System						
<input type="checkbox"/>	i. Specify Smart (Weather-Based) Irrigation Controllers					1
<input type="checkbox"/>	ii. Specify Drip, Bubblers or Low-Flow Sprinklers for All Non Turf Landscape Areas					1
<input type="checkbox"/>	f. Group Plants by Water Needs (Hydrozones) in Planting Plans & Identify Hydrozones on Irrigation Plans					1
g. Minimize Turf in Landscape Installed by Builder						
<input type="checkbox"/>	i. Do Not Specify Turf on Slopes Exceeding 10% or in Areas Less Than 8 Feet Wide					1
<input type="checkbox"/>	ii. Less Than 33% of All Landscaped Area is Specified as Turf AND All Turf has Water Requirement <= To Tall Fescue					1
8. Building Performance Exceeds Title 24						
<i>Enter the Percent Above the 2005 Version of Title 24 for Residential and Non-Residential Portions of the Project.</i>						
<input checked="" type="checkbox"/>	0% a. Residences: 2 Points for Every 1% Above 2005 T24 (Weighted Average Up To 30 Total Points for Measure 8 a & b)		30			
<input checked="" type="checkbox"/>	0% b. Non-Residential Spaces: 2 Points for Every 1% Above 2005 T24 (Up To 30 Total Points for Measure 8 a & b)					
<input type="checkbox"/>	<i>Check here if using 2001 version of Title 24. 1 Point for Every 1% Above 2001 Title 24.</i>					
9. Cool Site						
<input type="checkbox"/>	a. At least 30% of the Site Includes Cool Site Techniques	1				
10. Adaptable Buildings						
a. Include Universal Design Principles in Units						
<input type="checkbox"/>	50% of Units	1				
<input type="checkbox"/>	80% of Units	1				
<input type="checkbox"/>	b. Live/Work Units Include A Dedicated Commercial Entrance	1				
11. Affordability						
a. A Percentage of Units are Dedicated to Households Making 80% or Less of AMI						
<input type="checkbox"/>	10% of All Units	1				
<input type="checkbox"/>	20%	1				
<input type="checkbox"/>	30%	1				
<input type="checkbox"/>	50% or More	1				
<input type="checkbox"/>	b. Development Includes Multiple Bedroom Units (At least 1 Unit with 3BR or More at or Less Than 80% AMI)	2				

B. SITEWORK		Possible Points				
1. Construction & Demolition Waste Management						
Divert a Portion of all Construction & Demolition Waste:						
<input type="checkbox"/>	a. <i>Required:</i> Divert 50%				R	
<input type="checkbox"/>	b. Divert 65%				2	
<input type="checkbox"/>	c. Divert 80% or more				2	

2. Construction Material Efficiencies									
<input type="checkbox"/>	a. Lumber is Delivered Pre-Cut from Supplier (80% or More of Total Board Feet)							1	
<input type="checkbox"/>	b. Components of the Project Are Pre-Assembled Off-Site & Delivered to the Project								
<input type="checkbox"/>	25% of Total Square Footage							2	
<input type="checkbox"/>	50% of Total Square Footage							2	
<input type="checkbox"/>	75% of Total Square Footage or More							2	
3. Construction Indoor Air Quality (IAQ) Management Plan									
<input type="checkbox"/>	a. An IAQ Management Plan is Written & Followed for the Project						2		

C. STRUCTURE									Possible Points
1. Recycled Aggregate									
<input type="checkbox"/>	a. Minimum 25% Recycled Aggregate (Crushed Concrete) for Fill, Backfill & Other Uses							1	
2. Recycled Flyash in Concrete									
<input type="checkbox"/>	a. Flyash or Slag is Used to Displace a Portion of Portland Cement in Concrete								
<input type="checkbox"/>	20%							1	
<input type="checkbox"/>	30% or More							1	
3. FSC-Certified Wood for Framing Lumber									
a. FSC-Certified Wood for a Percentage of All Dimensional Studs:									
<input type="checkbox"/>	40%							2	
<input type="checkbox"/>	70%							2	
b. FSC-Certified Panel Products for a Percentage of All Sheathing (OSB & Plywood):									
<input type="checkbox"/>	40%							1	
<input type="checkbox"/>	70%							1	
4. Engineered Lumber or Steel Studs, Joists, Headers & Beams									
<input type="checkbox"/>	a. 90% or More of All Floor & Ceiling Joists							1	
<input type="checkbox"/>	b. 90% or More of All Studs							2	
<input type="checkbox"/>	c. 90% or More of All Headers & Beams							2	
5. Optimal Value Engineering Framing									
<input type="checkbox"/>	a. Studs at 24" Centers on Top Floor Exterior Walls &/or All Interior Walls							1	
<input type="checkbox"/>	b. Door & Window Headers Sized for Load							1	
<input type="checkbox"/>	c. Use Only Jack & Cripple Studs Required for Load							1	
6. Steel Framing									
<input type="checkbox"/>	a. Mitigate Thermal Bridging by Installing Exterior Insulation (At Least 1-Inch of Rigid Foam)					2			
7. Structural Insulated Panels (SIPs) Or Other Solid Wall Systems									
a. SIPs Or Other Solid Wall Systems are Used for 80% of All:									
<input type="checkbox"/>	Floors					2		2	
<input type="checkbox"/>	Walls					2		2	
<input type="checkbox"/>	Roofs					2		2	
8. Raised Heel Roof Trusses									
<input type="checkbox"/>	a. 75% of All Roof Trusses Have Raised Heels						1		
9. Insulation									
<input type="checkbox"/>	a. All Ceiling, Wall & Floor Insulation is 01350 Certified OR Contains No Added Formaldehyde							1	
<input type="checkbox"/>	b. All Ceiling, Wall & Floor Insulation Has a Recycled Content of 50% or More							1	
10. Durable Roofing Options									
<input type="checkbox"/>	a. <i>Required</i> : No Shingle Roofing OR All Shingle Roofing Has 3-Yr Subcontractor Guarantee & 20-Yr Manufacturer Warranty							R	
<input type="checkbox"/>	b. All Sloped Roofing Materials Carry a 40-Year Manufacturer Warranty							1	
11. Moisture Shedding & Mold Avoidance									
<input type="checkbox"/>	a. Building(s) Include a Definitive Drainage Plane Under Siding							4	
<input type="checkbox"/>	b. Bathroom Fans are Supplied in All Bathrooms, Are Exhausted to the Outdoors & Are Equipped with Controls							1	
<input type="checkbox"/>	c. A Minimum of 80% of Kitchen Range Hoods Are Vented to the Exterior						1		

12. Green Roofs				
a. A Portion of the Low-Slope Roof Area is Covered By A Vegetated or "Green" Roof				
<input type="checkbox"/>	25%	2		2
<input type="checkbox"/>	50% or More	2		2

D. SYSTEMS		Possible Points			
1. Passive Solar Heating					
<input type="checkbox"/>	a. Orientation: At Least 40% of the Units Face Directly South	2			
<input type="checkbox"/>	b. Shading On All South-Facing Windows Allow Sunlight to Penetrate in Winter, Not in Summer	1			
<input type="checkbox"/>	c. Thermal Mass: At Least 50% of the Floor Area Directly Behind South-Facing Windows is Massive	2			
2. Radiant Hydronic Space Heating					
<input type="checkbox"/>	a. Install Radiant Hydronic Space Heating for IAQ purposes (No Forced Air) in All Residences		2		
3. Solar Water Heating					
<input type="checkbox"/>	a. Pre-Plumb for Solar Hot Water	1			
<input type="checkbox"/>	b. Install Solar Hot Water System for Preheating DHW	4			
4. Air Conditioning with Advanced Refrigerants					
<input type="checkbox"/>	a. Install Air Conditioning with Non-HCFC Refrigerants	1			
5. Advanced Ventilation Practices					
Perform the Following Practices in Residences:					
<input type="checkbox"/>	a. Infiltration Testing by a C-HERS Rater for Envelope Sealing & Reduced Infiltration	2			
<input type="checkbox"/>	b. Operable Windows or Skylights Are Placed To Induce Cross Ventilation (At Least One Room In 80% of Units)	1	1		
<input type="checkbox"/>	c. Ceiling Fans in Every Bedroom & Living Room OR Whole House Fan is Used	1			
6. Garage Ventilation					
<input type="checkbox"/>	a. Garage Ventilation Fans Are Controlled by Carbon Monoxide Sensors (Passive Ventilation Does Not Count)		1		
7. Low-Mercury Lamps					
<input type="checkbox"/>	a. Low-Mercury Products Are Installed Wherever Linear Fluorescent Lamps Are Used			1	
<input type="checkbox"/>	b. Low-Mercury Products Are Installed Wherever Compact Fluorescent Lamps Are Used			2	
8. Light Pollution Reduction					
<input type="checkbox"/>	a. Exterior Luminaires Emit No Light Above Horizontal OR Are Dark Sky Certified	1			
<input type="checkbox"/>	b. Control light Trespass Onto Neighboring Areas Through Appropriate Fixture Selection & Placement	1			
9. Onsite Electricity Generation					
<input type="checkbox"/>	a. Pre-Wire for Photovoltaics & Plan for Space (Clear Areas on Roof & in Mechanical Room)			1	
b. Install Photovoltaics to Offset a Percent of the Project's Total Estimated Electricity Demand					
<input type="checkbox"/>	10%	2	2		
<input type="checkbox"/>	20%	2	2		
<input type="checkbox"/>	30% or more	2	2		
<input type="checkbox"/>	c. Educational Display is Provided in a Viewable Public Area	1			
10. Elevators					
<input type="checkbox"/>	a. Gearless Elevators Are Installed		1		
11. ENERGY STAR® Appliances					
a. Install ENERGY STAR Refrigerators in All Locations					
<input type="checkbox"/>	ENERGY STAR-Qualified		1		
<input type="checkbox"/>	ACEEE-Listed Refrigerators		1		
b. Install ENERGY STAR Dishwashers in All Locations					
<input type="checkbox"/>	All Dishwashers Are ENERGY STAR-qualified		1		
<input type="checkbox"/>	Residential-grade Dishwashers Use No More than 6.5 Gallons Per Cycle		1		1
<input type="checkbox"/>	c. Install ENERGY STAR Clothes Washers In All Locations		1		2
<input type="checkbox"/>	d. Install Ventless Natural Gas Clothes Dryers in Residences			1	
12. Central Laundry					
<input type="checkbox"/>	a. Central Laundry Facilities Are Provided for All Occupants			1	

13. Water-Efficient Fixtures						
<input type="checkbox"/>	a. All Showerheads Use 2.0 Gallons Per Minute (gpm) or Less		1			1
<input type="checkbox"/>	b. High-Efficiency Toilets Use 1.28 gpf or Less or Are Dual Flush					
<input type="checkbox"/>	In All Residences					3
<input type="checkbox"/>	In All Non-Residential Areas					3
<input type="checkbox"/>	c. Install High Efficiency Urinals (0.5 gpf or less) or No-Water Urinals Wherever Urinals Are Specified:					
<input type="checkbox"/>	Average flush rate is 0.5 gallons per flush or less					1
<input type="checkbox"/>	Average flush rate is 0.1 gallons per flush or less					1
<input type="checkbox"/>	d. Flow Limiters Or Flow Control Valves Are Installed on All Faucets					
<input type="checkbox"/>	Residences: Kitchen - 2.0 gpm or less		1			1
<input type="checkbox"/>	Non-Residential Areas: Kitchen - 2.0 gpm or less		0			0
<input type="checkbox"/>	Residences: Bathroom Faucets- 1.5 gpm or less		1			1
<input type="checkbox"/>	Non-Residential Areas: Bathroom Faucets - 1.5 gpm or less		0			0
<input type="checkbox"/>	e. Non-Residential Areas: Install Pre-Rinse Spray Valves in Commercial Kitchens - 1.6 gpm or less					1
14. Source Water Efficiency						
<input type="checkbox"/>	a. Use Recycled Water for Landscape Irrigation or to Flush Toilets/Urinals					2
<input type="checkbox"/>	b. Use Captured Rainwater for Landscape Irrigation or to Flush 5% of Toilets &/or Urinals					4
<input type="checkbox"/>	c. Water is Submetered for Each Residential Unit & Non-Residential Tenant					4

E. FINISHES AND FURNISHINGS						Possible Points
1. Construction Indoor Air Quality Management						
<input type="checkbox"/>	a. Perform a 2-Week Whole Building Flush-Out Prior to Occupancy			1		
2. Entryways						
<input type="checkbox"/>	a. Provide Permanent Walk-Off Mats and Shoe Storage at All Home Entrances			1		
<input type="checkbox"/>	b. Permanent Walk-Off Systems Are Provided at All Main Building Entrances & In Common Areas			1		
3. Recycling & Waste Collection						
<input type="checkbox"/>	a. Residences: Provide Built-In Recycling Center In Each Unit				2	
4. Use Low/No-VOC Paints & Coatings						
<input type="checkbox"/>	a. Low-VOC Interior Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))					
<input type="checkbox"/>	In All Residences			1		
<input type="checkbox"/>	In All Non-Residential Areas:			0		
<input type="checkbox"/>	b. Zero-VOC: InteriorPaints (<5 gpl VOCs (Flat))					
<input type="checkbox"/>	In All Residences			1		
<input type="checkbox"/>	In All Non-Residential Areas:			0		
<input type="checkbox"/>	c. Wood Coatings Meet the Green Seal Standards for Low-VOCs					
<input type="checkbox"/>	In All Residences			2		
<input type="checkbox"/>	In All Non-Residential Areas:			0		
<input type="checkbox"/>	d. Wood Stains Meet the Green Seal Standards for Low-VOCs					
<input type="checkbox"/>	In All Residences			2		
<input type="checkbox"/>	In All Non-Residential Areas:			0		
5. Use Recycled Content Exterior Paint						
<input type="checkbox"/>	a. Use Recycled Content Paint on 50% of All Exteriors				1	
6. Low-VOC Construction Adhesives						
<input type="checkbox"/>	a. Use Low-VOC Construction Adhesives (<70 gpl VOCs) for All Adhesives			1		

7. Environmentally Preferable Materials for Interior Finish

Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed Lumber, C) Rapidly Renewable D) Recycled-Content or E) Finger-Jointed

a. Residences: At Least 50% of Each Material:

<input type="checkbox"/>	i. Cabinets				1	
<input type="checkbox"/>	ii. Interior Trim				1	
<input type="checkbox"/>	iii. Shelving				1	
<input type="checkbox"/>	iv. Doors				1	
<input type="checkbox"/>	v. Countertops				1	

b. Non-Residential Areas: At Least 50% of Each Material:

<input type="checkbox"/>	i. Cabinets				0	
<input type="checkbox"/>	ii. Interior Trim				0	
<input type="checkbox"/>	iii. Shelving				0	
<input type="checkbox"/>	iv. Doors				0	
<input type="checkbox"/>	v. Countertops				0	

8. Reduce Formaldehyde in Interior Finish Materials

Reduce Formaldehyde in Interior Finish Materials (Section 01350) for At Least 50% of Each Material Below:

a. Residences:

<input type="checkbox"/>	i. Cabinets				1	
<input type="checkbox"/>	ii. Interior Trim				1	
<input type="checkbox"/>	iii. Shelving				1	
<input type="checkbox"/>	iv. Subfloor				1	

b. Non-Residential Areas:

<input type="checkbox"/>	i. Cabinets				0	
<input type="checkbox"/>	ii. Interior Trim				0	
<input type="checkbox"/>	iii. Shelving				0	
<input type="checkbox"/>	iv. Subfloor				0	

9. Environmentally Preferable Flooring

Use Environmentally Preferable Flooring: A) FSC-Certified or Reclaimed Wood, B) Rapidly Renewable Flooring Materials, C) Recycled-Content Ceramic Tiles, D) Exposed Concrete as Finished Floor or E) Recycled-Content Carpet. Note: Flooring Adhesives Must Have <50 gpl VOCs.

a. Residences:

<input type="checkbox"/>	i. Minimum 15% of Floor Area				1	
<input type="checkbox"/>	ii. Minimum 30% of Floor Area				1	
<input type="checkbox"/>	iii. Minimum 50% of Floor Area				1	
<input type="checkbox"/>	iv. Minimum 75% of Floor Area				1	

b. Non-Residential Areas:

<input type="checkbox"/>	i. Minimum 15% of Floor Area				0	
<input type="checkbox"/>	ii. Minimum 30% of Floor Area				0	
<input type="checkbox"/>	iii. Minimum 50% of Floor Area				0	
<input type="checkbox"/>	iv. Minimum 75% of Floor Area				0	

10. Low-Emitting Flooring

<input type="checkbox"/>	a. Residences: Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)				1	
<input type="checkbox"/>	b. Non-Residential Areas: Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)				0	

11. Durable Cabinets

Install Durable Cabinets in All:

<input type="checkbox"/>	a. Residences				1	
<input type="checkbox"/>	b. Non-Residential Areas				0	

12. Furniture & Outdoor Play Structures									
<input type="checkbox"/>	a. Play Structures & Surfaces Have an Overall Average Recycled Content Greater Than 20%							1	
<input type="checkbox"/>	b. Environmentally Preferable Exterior Site Furnishings							1	
<input type="checkbox"/>	c. At Least 25% of All newly Supplied Interior Furniture has Environmentally Preferable Attributes					1			
13. Vandalism Deterrence									
<input type="checkbox"/>	a. Project Includes Vandalism Resistant Finishes and Strategies							1	

F. OTHER		Possible Points				
1. Incorporate GreenPoint Checklist in Blueprints						
<input type="checkbox"/>	a. <i>Required:</i> Incorporate GreenPoint Checklist in Blueprints	R				
2. Operations & Maintenance Manuals						
<input type="checkbox"/>	a. Provide O&M Manual to Building Maintenance Staff		1			
<input type="checkbox"/>	b. Provide O&M Manual to Occupants		1			1
3. Transit Options						
<input type="checkbox"/>	a. Residents Are Offered Free or Discounted Transit Passes		2			
4. Educational Signage						
<input type="checkbox"/>	a. Educational Signage Highlighting & Explaining the Project's Green Features is Included		1			
5. Vandalism Management Plan						
<input type="checkbox"/>	a. Project Includes a Vandalism Management Plan for Dealing with Disturbances Post-Occupancy		1			
6. Innovation: List innovative measures that meet the green building objectives of the Multifamily Guidelines. Enter up to a 4 Points in each category. Points will be evaluated by local jurisdiction or GreenPoint rater.						
0	Innovation in Community : Enter up to 4 Points at left. Enter description here					
0	Innovation in Energy : Enter up to 4 Points at left. Enter description here					
0	Innovation in IAQ/Health : Enter up to 4 Points at left. Enter description here					
0	Innovation in Resources : Enter up to 4 Points at left. Enter description here					
0	Innovation in Water : Enter up to 4 Points at left. Enter description here					

Summary	
Points Achieved from Specific Categories	0 0 0 0 0
Current Point Total	0



City of Albany

Supplemental Application Form LEED-CI Version 2.0 Registered Project Checklist

Project Name:

Project Address:

Yes ? No

			Sustainable Sites	Possible Points	7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1 Site Selection - Select a LEED Certified Building - OR - Locate the tenant space in a building with following characteristics (up to 3 points):		3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1A Brownfield Redevelopment		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1B Stormwater Management: Rate and Quantity		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1C Stormwater Management: Treatment		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1D Heat Island Reduction, Non-Roof		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1E Heat-Island Reduction, Roof		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1F Light Pollution Reduction		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1G Water Efficient Irrigation: Reduce by 50%		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1H Water Efficient Irrigation: No Potable Use or No Irrigation		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1I Innovative Wastewater Technologies		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1J Water Use Reduction: 20% Reduction		1/2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1K Onsite Renewable Energy		1/2 to 1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Option 1L Other Quantifiable Environmental Performance		1/2 to 3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2 Development Density and Community Connectivity		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.1 Alternative Transportation, Public Transportation Access		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.2 Alternative Transportation, Bicycle Storage & Changing Rooms		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.3 Alternative Transportation, Parking Availability		1

Yes ? No

			Water Efficiency	Possible Points	2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.1 Water Use Reduction - 20% Reduction		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.2 Water Use Reduction - 30% Reduction		1

Yes ? No

			Energy & Atmosphere	Possible Points	12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 1 Fundamental Commissioning		Required
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 2 Minimum Energy Performance		Required
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 3 CFC Reduction in HVAC&R Equipment		Required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.1 Optimize Energy Performance - Lighting Power		3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.2 Optimize Energy Performance - Lighting Controls		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.3 Optimize Energy Performance - HVAC		2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.4 Optimize Energy Performance - Equipment and Appliances		2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2 Enhanced Commissioning		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3 Energy Use, Measurement & Payment Accountability		2
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4 Green Power		1

Yes ? No

			Materials & Resources	Possible Points	14
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 1 Storage and Collection of Recyclables		Required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.1 Tenant Space, Long Term Commitment		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.2 Building Reuse, Maintain 40% of Interior Non-Structural Components		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.3 Building Reuse, Maintain 60% of Interior Non-Structural Components		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2.1 Construction Waste Management, Divert 50% From Landfill		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2.2 Construction Waste Management, Divert 75% From Landfill		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.1 Resource Reuse, 5%		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.2 Resource Reuse, 10%		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.3 Resource Reuse, 30% Furniture and Furnishings		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.1 Recycled Content, 10% (post-consumer + 1/2 pre-consumer)		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.2 Recycled Content, 20% (post-consumer + 1/2 pre-consumer)		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 5.1 Regional Materials, 20% Manufactured Regionally		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 5.2 Regional Materials, 10% Extracted and Manufactured Regionally		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 6 Rapidly Renewable Materials		1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 7 Certified Wood		1

Draft for Review: July 2, 2007

Yes ? No

			Indoor Environmental Quality	Possible Points	17
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 1	Minimum IAQ Performance	Required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1	Outside Air Delivery Monitoring	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2	Increased Ventilation	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.1	Construction IAQ Management Plan, During Construction	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 3.2	Construction IAQ Management Plan, Before Occupancy	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.1	Low-Emitting Materials, Adhesives and Sealants	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.2	Low-Emitting Materials, Paints and Coatings	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.3	Low-Emitting Materials, Carpet Systems	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.4	Low-Emitting Materials, Composite Wood and Laminate Adhesives	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 4.5	Low-Emitting Materials, Systems Furniture and Seating	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 5	Indoor Chemical and Pollutant Source Control	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 6.1	Controllability of Systems, Lighting	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 6.2	Controllability of Systems, Temperature and Ventilation	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 7.1	Thermal Comfort - Compliance	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 7.2	Thermal Comfort - Monitoring	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 8.1	Daylight & Views - Daylight 75% of Spaces	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 8.2	Daylight & Views - Daylight 90% of Spaces	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 8.3	Daylight & Views - Views for 90% of Seated Spaces	1

Yes ? No

			Innovation & Design Process	Possible Points	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.1	Innovation in Design	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.2	Innovation in Design	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.3	Innovation in Design	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 1.4	Innovation in Design	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Credit 2	LEED™ Accredited Professional	1

Yes ? No

			Totals (pre-certification estimates)	Possible Points	57
--	--	--	---	-----------------	-----------

Certified 21 to 26 points Silver 27 to 31 points Gold 32 to 41 points Platinum 42 to 57 points



City of Albany

Supplemental Application Form LEED-NC Version 2.2 Registered Project Checklist

Project Name:
Prepared by:

Yes ? No

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sustainable Sites	14 Points
--------------------------	--------------------------	--------------------------	--------------------------	------------------

Y			Prereq 1 Construction Activity Pollution Prevention	Required
			Credit 1 Site Selection	1
			Credit 2 Development Density & Community Connectivity	1
			Credit 3 Brownfield Redevelopment	1
			Credit 4.1 Alternative Transportation , Public Transportation Access	1
			Credit 4.2 Alternative Transportation , Bicycle Storage & Changing Rooms	1
			Credit 4.3 Alternative Transportation , Low-Emitting and Fuel-Efficient Vehicles	1
			Credit 4.4 Alternative Transportation , Parking Capacity	1
			Credit 5.1 Site Development , Protect or Restore Habitat	1
			Credit 5.2 Site Development , Maximize Open Space	1
			Credit 6.1 Stormwater Design , Quantity Control	1
			Credit 6.2 Stormwater Design , Quality Control	1
			Credit 7.1 Heat Island Effect , Non-Roof	1
			Credit 7.2 Heat Island Effect , Roof	1
			Credit 8 Light Pollution Reduction	1

Yes ? No

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Efficiency	5 Points
--------------------------	--------------------------	--------------------------	-------------------------	-----------------

			Credit 1.1 Water Efficient Landscaping , Reduce by 50%	1
			Credit 1.2 Water Efficient Landscaping , No Potable Use or No Irrigation	1
			Credit 2 Innovative Wastewater Technologies	1
			Credit 3.1 Water Use Reduction , 20% Reduction	1
			Credit 3.2 Water Use Reduction , 30% Reduction	1

Yes ? No

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Energy & Atmosphere	17 Points
--------------------------	--------------------------	--------------------------	--------------------------------	------------------

Y			Prereq 1 Fundamental Commissioning of the Building Energy Systems	Required
Y			Prereq 2 Minimum Energy Performance	Required
Y			Prereq 3 Fundamental Refrigerant Management	Required
			Credit 1 Optimize Energy Performance	1 to 10
			Credit 2 On-Site Renewable Energy	1 to 3
			Credit 3 Enhanced Commissioning	1
			Credit 4 Enhanced Refrigerant Management	1
			Credit 5 Measurement & Verification	1
			Credit 6 Green Power	1

Yes ? No

Materials & Resources 13 Points

Y	Prereq 1	Storage & Collection of Recyclables	Required
	Credit 1.1	Building Reuse , Maintain 75% of Existing Walls, Floors & Roof	1
	Credit 1.2	Building Reuse , Maintain 100% of Existing Walls, Floors & Roof	1
	Credit 1.3	Building Reuse , Maintain 50% of Interior Non-Structural Elements	1
	Credit 2.1	Construction Waste Management , Divert 50% from Disposal	1
	Credit 2.2	Construction Waste Management , Divert 75% from Disposal	1
	Credit 3.1	Materials Reuse , 5%	1
	Credit 3.2	Materials Reuse , 10%	1
	Credit 4.1	Recycled Content , 10% (post-consumer + ½ pre-consumer)	1
	Credit 4.2	Recycled Content , 20% (post-consumer + ½ pre-consumer)	1
	Credit 5.1	Regional Materials , 10% Extracted, Processed & Manufactured Regionally	1
	Credit 5.2	Regional Materials , 20% Extracted, Processed & Manufactured Regionally	1
	Credit 6	Rapidly Renewable Materials	1
	Credit 7	Certified Wood	1

Yes ? No

Indoor Environmental Quality 15 Points

Y	Prereq 1	Minimum IAQ Performance	Required
Y	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
	Credit 1	Outdoor Air Delivery Monitoring	1
	Credit 2	Increased Ventilation	1
	Credit 3.1	Construction IAQ Management Plan , During Construction	1
	Credit 3.2	Construction IAQ Management Plan , Before Occupancy	1
	Credit 4.1	Low-Emitting Materials , Adhesives & Sealants	1
	Credit 4.2	Low-Emitting Materials , Paints & Coatings	1
	Credit 4.3	Low-Emitting Materials , Carpet Systems	1
	Credit 4.4	Low-Emitting Materials , Composite Wood & Agrifiber Products	1
	Credit 5	Indoor Chemical & Pollutant Source Control	1
	Credit 6.1	Controllability of Systems , Lighting	1
	Credit 6.2	Controllability of Systems , Thermal Comfort	1
	Credit 7.1	Thermal Comfort , Design	1
	Credit 7.2	Thermal Comfort , Verification	1
	Credit 8.1	Daylight & Views , Daylight 75% of Spaces	1
	Credit 8.2	Daylight & Views , Views for 90% of Spaces	1

Yes ? No

Innovation & Design Process 5 Points

	Credit 1.1	Innovation in Design : Provide Specific Title	1
	Credit 1.2	Innovation in Design : Provide Specific Title	1
	Credit 1.3	Innovation in Design : Provide Specific Title	1
	Credit 1.4	Innovation in Design : Provide Specific Title	1
	Credit 2	LEED® Accredited Professional	1

Yes ? No

Project Totals (pre-certification estimates) 69 Points

Certified 26-32 points **Silver** 33-38 points **Gold** 39-51 points **Platinum** 52-69 points

BAY-FRIENDLY LANDSCAPING CHECKLIST

1 Landscape Locally



- 1. Evaluate climate, exposure and topography
- 2. Assess the soil and test drainage
- 3. Survey and protect flora & fauna
- 4. Consider the potential for fire
- 5. Use local, natural plant communities as models

2 Landscape for Less to the Landfill



- 1. Select appropriate plants:
 - A. Choose plants to match the microclimate & soil conditions
 - B. Choose plants that can grow to their natural size in the space allotted them
 - C. Replace sheared hedges with plants that can grow to their natural shape & size
 - D. Do not plant invasive species
- 2. Keep plant debris on site:
 - A. Grasscycle
 - B. Produce mulch from plant debris
 - C. Compost plant debris
- 3. Prune selectively and properly
- 4. Water and fertilize judiciously
- 5. Use goats for controlling weeds and creating firebreaks
- 6. Use salvaged items & recycled content materials
- 7. Reduce and recycle construction waste
- 8. Separate plant debris for clean green discounts

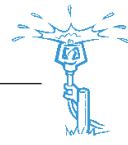
3 Nurture the Soil



- 1. Remove and store topsoil during construction
- 2. Protect soil from compaction
- 3. Defend against erosion
- 4. Amend the soil with compost before planting
- 5. Grasscycle
- 6. Mulch regularly
- 7. Aerate compacted soils
- 8. Feed soils naturally
- 9. Avoid synthetic, quick release fertilizers
- 10. Minimize the use of chemical pesticides

• See chapter 4, Summary of Bay-Friendly Landscaping Benefits to view list of practices categorized by Design, Construction and Maintenance.

4 Conserve Water



- 1. Create drought resistant soils with compost & mulch
- 2. Grow California natives or Mediterranean plants
- 3. Minimize the lawn
- 4. Implement hydrozoning - group plants by water needs
- 5. Design for on-site rainwater collection, recycled water and/or graywater use
- 6. Design and install high efficiency irrigation systems
- 7. Install a dedicated meter to monitor landscape water use
- 8. Manage irrigation according to need
- 9. Maintain the irrigation system so every drop counts
- 10. Request an irrigation audit

5 Conserve Energy



- 1. Plant and protect trees to moderate building temperatures
- 2. Reduce the heat island effect: shade paved areas
- 3. Shade air conditioners
- 4. Design lighting carefully
- 5. Choose and maintain equipment for fuel conservation
- 6. Specify local products & suppliers

6 Protect Water & Air Quality



- 1. Use Integrated Pest Management:
 - A. Prevent pest problems
 - B. Train your staff to identify and monitor pest & beneficial populations
 - C. Educate your clients
 - D. Control pest problems with physical & mechanical methods
 - E. Control pest problems with biological controls
 - F. Control pest problems with the least toxic pesticide as a last resort
- 2. Eliminate high input decorative lawns
- 3. Keep soil covered
- 4. Choose and maintain your materials, equipment & vehicles carefully
- 5. Keep organic matter where it belongs
- 6. Minimize impervious surfaces
- 7. Plant trees
- 8. Maintain and manage the irrigation system carefully
- 9. Design a system to capture and treat water

7 Create & Protect Wildlife Habitat



- 1. Diversify
- 2. Choose California natives first
- 3. Provide water & shelter
- 4. Eliminate the use of pesticides
- 5. Conserve or restore natural areas & wildlife corridors