City of Albany

GREEN BUILDING

STANDARDS OF COMPLIANCE

&

CHECKLISTS

Prepared for City Council Review, July 2, 2007

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 Divison staff			

Prepared for City Council Review: July 2, 2007

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			

Prepared for City Council Review: June 18, 2007

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				
2. Salvage Reusable Building Materials	4 Resource pts y=yes				
3. Remodel for Mixed Use, Adaptive Reuse, and Historic Preservation	4 Resource pts y=yes				
4. Protect Native Soil	2 Resource pts y=yes				
5. Minimize Disruption of Existing Plants & Trees	1 Resource pt y=yes				
6. Implement Construction Site Stormwater Practices	2 Resource pts y=yes				
7. Protect Water Quality with Landscape Design	2 Resource pts y=yes				
8. Design Resource-Efficient Landscapes and Gardens	4 Resource pts y=yes				
9. Reuse Materials/Use Recycled Content Materials for Landscape Areas	2 Resource pts y=yes				
10. Install High-Efficiency Irrigation Systems	2 Resource pts y=yes				
11. Provide for On-Site Water Catchment / Retention	2 Resource pts y=yes				
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				
2. Use Recycled Content Aggregate	2 Resource pts y=yes				
3. Insulate Foundation/Slab before backfill	3 Energy pts y=yes				
C. Structural Frame					
1. Substitute Solid Sawn Lumber with Engineered Lumber	3 Resource pts y=yes				
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 y=yes				
4. Use Web Floor Trusses	2 Resource pts y=yes				
5. Design Energy Heels on Trusses 6" or more	2 Energy pts y=yes				
6. Use Finger-Jointed Studs for Vertical Applications	2 Resource pts y=yes				
7. Use Engineered Studs for Vertical Applications	2 Resource pts y=yes				
8. Use Recycled Content Steel Studs for Interior Framing	2 Resource pts y=yes				
9. Use Structural Insulated Panels (SIPs)					
a. Floors	3 Energy pts y=yes				
b. Wall	3 Energy pts y=yes				
c. Roof	3 Energy pts y=yes				
10. Apply Advanced Framing Techniques	4 Resource pts y=yes				

		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-Paned	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 les 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. Earhquake kit	2 IAQ/Health pts y=yes				

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				
1. Protect Native Soil and Minimize Disruption of Existing Plants & Trees					
☐ a. Protect Native Topsoil from Erosion and Reuse after Construction	1				1
☐ b. Limit and Delineate Construction Footprint for Maximum Protection					1
☐ 2. Deconstruct Instead of Demolishing Existing Buildings On Site				3	
3. Recycle Job Site Construction Waste (Including Green Waste)					
☐ *a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) - Required*				R	
b. Minimum 65% Diversion by Weight (Recycling or Reuse)				2	
☐ c. Minimum 80% Diversion by Weight (Recycling or Reuse)				2	
4. Use Recycled Content Aggregate (Minimum 25%)					
☐ a. Walkway and Driveway				1	
☐ b. Roadway Base				1	

B. LANDSCAPING	Possible Points				
1. Construct Resource-Efficient Landscapes					
☐ a. No Invasive Species Listed by Cal-IPC Are Planted					1
☐ b. No Plant Species Will Require Hedging				1	
☐ c. 75% of Plants Are California Natives or Mediterranean Species					1
☐ 2. Use Fire-Safe Landscaping Techniques	1				
3. Minimize Turf Areas in Landscape Installed by Builder					
☐ a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue					2
☐ b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide					2
☐ c. Turf is <33% of Landscaped Area					2
☐ d. Turf is <10% of Landscaped Area					2
☐ 4. Plant Shade Trees		1			1
☐ 5. Implement Hydrozoning: Group Plants by Water Needs					1
6. Install High-Efficiency Irrigation Systems					
☐ a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers					1
☐ b. System Has Smart (Weather-Based) Controllers					2
☐ 7. Apply Two Inches of Compost in the Top 6 to 12 Inches of Soil					2
☐ 8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement					1
☐ 9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements				1	
☐ 10. Reduce Light Pollution by Shielding Fixtures and/or Directing Light Downward	1				

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

D. STRUCTURAL FRAME & BUILDING ENVELOPE	Possible Points				
1. Apply Optimal Value Engineering					
☐ a. 2x4 Studs at 24-Inch On Center Framing				1	
☐ b. Door and Window Headers Sized for Load				1	
☐ c. Use Only Jack and Cripple Studs Required for Load				1	
2. Use Engineered Lumber					
☐ a. Beams and Headers				1	
☐ b. Insulated Engineered Headers		1			
☐ c. Wood I-Joists or Web Trusses for Floors				1	
☐ d. Wood I-Joists for Ceilings				1	
☐ e. Engineered or Finger-Jointed Studs for Vertical Applications				1	
3. Use FSC-Certified Wood					
☐ a. Dimensional Studs: Minimum 40%				2	
☐ b. Dimensional Studs: Minimum 75%				2	
☐ c. Panel Products: Minimum 40%				1	
☐ d. Panel Products: Minimum 70%				1	
☐ ☐ 4. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)		1			
5. Design Trusses to Accommodate Ductwork		1			
6. Use Oriented Strand Board (OSB)					
☐ a. Subfloor				1	
☐ b. Sheathing				1	
☐ 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)					
☐ a. Floors		2		2	
☐ b. Walls		2		2	
☐ c. Roofs		2		2	
☐ 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					
☐ a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers				1	
☐ 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					
☐ a. Tightly Seal the Air Barrier between Garage and Living Area			1		
☐ b. Install Separate Garage Exhaust Fan			1		
12. Install Overhangs and Gutters					
☐ a. Minimum 16-Inch Overhangs and Gutters				1	
☐ b. Minimum 24-Inch Overhangs and Gutters		1			

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

F. PLUMBING	Possible Points				
1. Distribute Domestic Hot Water Efficiently					
☐ a. Insulate Hot Water Pipes from Water Heater to Kitchen					1
☐ 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
☐ c. Locate the Water Heater within 25 feet of All Hot Water Fixtures and Appliances					1
☐ d. Use Engineered Parallel Piping		1			
☐ 2. Install Only High Efficiency Toilets (Dual-Flush or <=1.3 gpf)					3

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

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

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

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

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

K. RENEWABLE ENERGY		Possible Points				
☐	1. Pre-Plumb for Solar Hot Water Heating		4			
☐	2. Install Solar Water Heating System		10			
☐	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft^2 of South-Facing Roof		2			
	4. Install Photovoltaic (PV) Panels					
☐	a. 1.2 kW System		6			
☐	b. 2.4 kW System		6			
☐	c. 3.6 kW or more		6			

L. FINISHES		Possible Points				
☐	1. Provide Permanent Walk-Off Mats and Shoe Storage at Home Entrances			1		
	2. Use Low/No-VOC Paint					
☐	a. Low-VOC Interior Wall/Ceiling Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))			1		
☐	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))			3		
☐	3. Use Low VOC, Water-Based Wood Finishes (<150 gpl VOCs)			2		
☐	4. Use Low-VOC Construction Adhesives (<70 gpl VOCs) for All Adhesives			2		
☐	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):					
☐	a. Cabinets				1	
☐	b. Interior Trim				1	
☐	c. Shelving				1	
☐	d. Doors				1	
☐	e. Countertops				1	
☐	7. Reduce Formaldehyde in Interior Finish (Section 01350) for At Least 50% of Each Material Below:					
	a. Cabinets			1		
☐	b. Interior Trim			1		
☐	c. Shelving			1		
☐	d. Subfloor			1		

☐	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. *Note: Flooring Adhesives Must Have <50 gpl VOCs.*					
☐	a. Minimum 15% of Floor Area			1		
☐	b. Minimum 30% of Floor Area			1		
☐	c. Minimum 50% of Floor Area			1		
☐	d. Minimum 75% of Floor Area			1		
☐	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors		1			
☐	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)			2		

N. OTHER	Possible Points				
☐	*1. Incorporate Green Points Checklist in Blueprints* - *Required*					
☐	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.					
	4.For having a hybrid or zero emissions vehicle					
	5. For having no automobile					
	6. Planting more than one street tree when feasible					
	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					
☐ a. Project is Located Within an Urban Growth Boundary & Avoids Environmentally Sensitive Sites	1				
☐ 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) *Enter Project Density Number (In Units Per Acre)*	10				
☐ d. Locate Within Existing Community that has Sewer Line & Utilities in Place	1				
☐ 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):					
☐ 1) Bank ☐ 2) Place of Worship ☐ 3) Full Scale Grocery/Supermark ☐ 4) Day Care ☐ 5) Cleaners ☐ 6) Fire Station ☐ 7) Hair Care ☐ 8) Hardware ☐ 9) Laundry ☐ 10) Library ☐ 11) Medical/Dental ☐ 12) Senior Care Facility ☐ 13) Public Park ☐ 14) Pharmacy ☐ 15) Post Office ☐ 16) Restaurant ☐ 17) School ☐ 18) After School Programs ☐ 19) Commercial Office ☐ 20) Community Center ☐ 21) Theater/Entertainment ☐ 22) Convenience Store Where Meat & Produce are Sold.	2				
g. Proximity to Public Transit					
Development is Located Within:					
☐ 1/4 Mile of One Planned or Current Bus Line Stop	1				
☐ 1/4 Mile of Two or More Planned or Current Bus Line Stops	1				
☐ 1/2 Mile of a Commuter Train/Light Rail Transit System	1				
h. Reduced Parking Capacity:					
☐ Less than 1.5 Parking Spaces Per Unit	1				
☐ Less than 1.0 Parking Spaces Per Unit	1				
2. Mixed-Use Developments					
☐ a. At least 2% of Development Floorspace Supports Mixed Use (Non-Residential Tenants)	1				
☐ b. Half of Above Non-Residential Floorspace is Dedicated to Neighborhood Services	1				
3. Building Placement & Orientation					
☐ a. Protect Soil & Existing Plants & Trees	1				
4. Design for Walking & Bicycling					
☐ a. Sidewalks Are Physically Separated from Roadways & Are 5 Feet Wide	1				
☐ b. Traffic Calming Strategies Are Installed by the Developer	1				
☐ c. Provide Dedicated, Covered & Secure Bicycle Storage for 15% of Residents	1				
☐ d. Provide Secure Bicycle Storage for 5% of Non-Residential Tenant Employees & Visitors	1				

	5. Social Gathering Places					
☐	a. Outdoor Gathering Places for Residents (Average of 50 sf Per Unit Or More)	1				
☐	b. Outdoor Gathering Places Provide Natural Elements *(For compact sites only; this point not availabe if A.5a is checked)*	1				
	6. Design for Safety and Natural Surveillance					
☐	a. All Main Entrances to the Building and Site are Prominent and Visible from the Street	1				
☐	b. Residence Entries Have Views to Callers (Windows or Double Peep Holes) & Can Be Seen By Neighbors	1				
	7. Landscaping					
☐	*Check here if the landscape area is <10% of the total site area.* *Projects with <10% landscape area can cnly check up to 3 boxes in this section.*					
☐	a. No Plant Species will Require Shearing				1	
☐	b. No plantings are Listed on the Invasive Plant Inventory by the California Invasive Plant Council				1	
☐	c. Specify California Native or Mediterranean Species that Require Occasional, Little or No Summer Watering					1
	d. Create Drought Resistant Soils:					
☐	i. Mulch All Planting Beds to a Depth of 2 Inches or Greater as Per Local Ordinance					1
☐	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					
☐	i. Specify Smart (Weather-Based) Irrigation Controllers					1
☐	ii. Specify Drip, Bubblers or Low-Flow Sprinklers for All Non Turf Landscape Areas					1
☐	f. Group Plants by Water Needs (Hydrozones) in Planting Plans & Identify Hydrozones on Irrigation Plans					1
	g. Minimize Turf in Landscape Installed by Builder					
☐	i. Do Not Specify Turf on Slopes Exceeding 10% or in Areas Less Than 8 Feet Wide					1
☐	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					
	Enter the Percent Above the 2005 Version of Title 24 for Residential and Non-Residential Portions of the Project.					
0%	a. Residences: 2 Points for Every 1% Above 2005 T24 (Weighted Average Up To 30 Total Points for Measure 8 a & b)		30			
0%	b. Non-Residential Spaces: 2 Points for Every 1% Above 2005 T24 (Up To 30 Total Points for Measure 8 a & b)					
☐	*Check here if using 2001 version of Title 24. 1 Point for Every 1% Above 2001 Title 24.*					
	9. Cool Site					
☐	a. At least 30% of the Site Includes Cool Site Techniques	1				
	10. Adaptable Buildings					
	a. Include Universal Design Principles in Units					
☐	50% of Units	1				
☐	80% of Units	1				
☐	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					
☐	10% of All Units	1				
☐	20%	1				
☐	30%	1				
☐	50% or More	1				
☐	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:					
☐ a. *Required*: Divert 50%				R	
☐ b. Divert 65%				2	
☐ c. Divert 80% or more				2	

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

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

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

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

E. FINISHES AND FURNISHINGS		Possible Points				
	1. Construction Indoor Air Quality Management					
☐	a. Perform a 2-Week Whole Building Flush-Out Prior to Occupancy			1		
	2. Entryways					
☐	a. Provide Permanent Walk-Off Mats and Shoe Storage at All Home Entrances			1		
☐	b. Permanent Walk-Off Systems Are Provided at All Main Building Entrances & In Common Areas			1		
	3. Recycling & Waste Collection					
☐	a. Residences: Provide Built-In Recycling Center In Each Unit				2	
	4. Use Low/No-VOC Paints & Coatings					
	a. Low-VOC Interior Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))					
☐	In All Residences			1		
☐	In All Non-Residential Areas:			0		
	b. Zero-VOC: InteriorPaints (<5 gpl VOCs (Flat))					
☐	In All Residences			1		
☐	In All Non-Residential Areas:			0		
	c. Wood Coatings Meet the Green Seal Standards for Low-VOCs					
☐	In All Residences			2		
☐	In All Non-Residential Areas:			0		
	d. Wood Stains Meet the Green Seal Standards for Low-VOCs					
☐	In All Residences			2		
☐	In All Non-Residential Areas:			0		
	5. Use Recycled Content Exterior Paint					
☐	a. Use Recycled Content Paint on 50% of All Exteriors				1	
	6. Low-VOC Construction Adhesives					
☐	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:						
☐	i. Cabinets				1		
☐	ii. Interior Trim				1		
☐	iii. Shelving				1		
☐	iv. Doors				1		
☐	v. Countertops				1		
	b. Non-Residential Areas: At Least 50% of Each Material:						
☐	i. Cabinets				0		
☐	ii. Interior Trim				0		
☐	iii. Shelving				0		
☐	iv. Doors				0		
☐	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:						
☐	i. Cabinets			1			
☐	ii. Interior Trim			1			
☐	iii. Shelving			1			
☐	iv. Subfloor			1			
	b. Non-Residential Areas:						
☐	i. Cabinets			0			
☐	ii. Interior Trim			0			
☐	iii. Shelving			0			
☐	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:						
☐	i. Minimum 15% of Floor Area				1		
☐	ii. Minimum 30% of Floor Area				1		
☐	iii. Minimum 50% of Floor Area				1		
☐	iv. Minimum 75% of Floor Area				1		
	b. Non-Residential Areas:						
☐	i. Minimum 15% of Floor Area				0		
☐	ii. Minimum 30% of Floor Area				0		
☐	iii. Minimum 50% of Floor Area				0		
☐	iv. Minimum 75% of Floor Area				0		
	10. Low-Emitting Flooring						
☐	a. Residences: Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)			1			
☐	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:						
☐	a. Residences				1		
☐	b. Non-Residential Areas				0		

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

F. OTHER		Possible Points				
	1. Incorporate GreenPoint Checklist in Blueprints					
☐	a. *Required:* Incorporate GreenPoint Checklist in Blueprints	R				
	2. Operations & Maintenance Manuals					
☐	a. Provide O&M Manual to Building Maintenance Staff		1			
☐	b. Provide O&M Manual to Occupants		1			1
	3. Transit Options					
☐	a. Residents Are Offered Free or Discounted Transit Passes	2				
	4. Educational Signage					
☐	a. Educational Signage Highlighting & Explaining the Project's Green Features is Included	1				
	5. Vandalism Management Plan					
☐	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**
			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
			Option 1A	**Brownfield Redevelopment**	1/2
			Option 1B	**Stormwater Management: Rate and Quantity**	1/2
			Option 1C	**Stormwater Management: Treatment**	1/2
			Option 1D	**Heat Island Reduction, Non-Roof**	1/2
			Option 1E	**Heat-Island Reduction, Roof**	1/2
			Option 1F	**Light Pollution Reduction**	1/2
			Option 1G	**Water Efficient Irrigation: Reduce by 50%**	1/2
			Option 1H	**Water Efficient Irrigation: No Potable Use or No Irrigation**	1/2
			Option 1I	**Innovative Wastewater Technologies**	1/2
			Option 1J	**Water Use Reduction: 20% Reduction**	1/2
			Option 1K	**Onsite Renewable Energy**	1/2 to 1
			Option 1L	**Other Quantifiable Environmental Performance**	1/2 to 3
			Credit 2	**Development Density and Community Connectivity**	1
			Credit 3.1	**Alternative Transportation, Public Transportation Access**	1
			Credit 3.2	**Alternative Transportation, Bicycle Storage & Changing Rooms**	1
			Credit 3.3	**Alternative Transportation, Parking Availability**	1

Yes	?	No			
			Water Efficiency	Possible Points	**2**
			Credit 1.1	**Water Use Reduction -** 20% Reduction	1
			Credit 1.2	**Water Use Reduction -** 30% Reduction	1

Yes	?	No			
			Energy & Atmosphere	Possible Points	**12**
			Prereq 1	**Fundamental Commissioning**	Required
			Prereq 2	**Minimum Energy Performance**	Required
			Prereq 3	**CFC Reduction in HVAC&R Equipment**	Required
			Credit 1.1	**Optimize Energy Performance -** Lighting Power	3
			Credit 1.2	**Optimize Energy Performance** - Lighting Controls	1
			Credit 1.3	**Optimize Energy Performance** - HVAC	2
			Credit 1.4	**Optimize Energy Performance** - Equipment and Appliances	2
			Credit 2	**Enhanced Commissioning**	1
			Credit 3	**Energy Use, Measurement & Payment Accountability**	2
			Credit 4	**Green Power**	1

Yes	?	No			
			Materials & Resources	Possible Points	**14**
			Prereq 1	**Storage and Collection of Recyclables**	Required
			Credit 1.1	**Tenant Space, Long Term Commitment**	1
			Credit 1.2	**Building Reuse, Maintain 40% of Interior Non-Structural Components**	1
			Credit 1.3	**Building Reuse, Maintain 60% of Interior Non-Structural Components**	1
			Credit 2.1	**Construction Waste Management, Divert 50% From Landfill**	1
			Credit 2.2	**Construction Waste Management, Divert 75% From Landfill**	1
			Credit 3.1	**Resource Reuse, 5%**	1
			Credit 3.2	**Resource Reuse, 10%**	1
			Credit 3.3	**Resource Reuse, 30% Furniture and Furnishings**	1
			Credit 4.1	**Recycled Content, 10% (post-consumer + 1/2 pre-consumer)**	1
			Credit 4.2	**Recycled Content, 20% (post-consumer + 1/2 pre-consumer)**	1
			Credit 5.1	**Regional Materials, 20% Manufactured Regionally**	1
			Credit 5.2	**Regional Materials, 10% Extracted and Manufactured Regionally**	1
			Credit 6	**Rapidly Renewable Materials**	1
			Credit 7	**Certified Wood**	1

Yes ? No

Yes	?	No			
			Indoor Environmental Quality	Possible Points	**17**
			Prereq 1 **Minimum IAQ Performance**		Required
			Prereq 2 **Environmental Tobacco Smoke (ETS) Control**		Required
			Credit 1 **Outside 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 and Sealants**		1
			Credit 4.2 **Low-Emitting Materials, Paints and Coatings**		1
			Credit 4.3 **Low-Emitting Materials, Carpet Systems**		1
			Credit 4.4 **Low-Emitting Materials, Composite Wood and Laminate Adhesives**		1
			Credit 4.5 **Low-Emitting Materials, Systems Furniture and Seating**		1
			Credit 5 **Indoor Chemical and Pollutant Source Control**		1
			Credit 6.1 **Controllability of Systems, Lighting**		1
			Credit 6.2 **Controllability of Systems, Temperature and Ventilation**		1
			Credit 7.1 **Thermal Comfort** - Compliance		1
			Credit 7.2 **Thermal Comfort** - Monitoring		1
			Credit 8.1 **Daylight & Views** - Daylight 75% of Spaces		1
			Credit 8.2 **Daylight & Views** - Daylight 90% of Spaces		1
			Credit 8.3 **Daylight & Views** - Views for 90% of Seated Spaces		1

Yes	?	No			
			Innovation & Design Process	Possible Points	**5**
			Credit 1.1 **Innovation in Design**		1
			Credit 1.2 **Innovation in Design**		1
			Credit 1.3 **Innovation in Design**		1
			Credit 1.4 **Innovation in Design**		1
			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			
			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 of 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			
			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			
			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 Regiona	1
			Credit 5.2	**Regional Materials**, 20% Extracted, Processed & Manufactured Regiona	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

			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