

## ***Appendix B***

### **Certification of Intent to Comply**

**Required: Submit this certification at time of application.**

The project applicant and project architect/project designer are required to sign the certification below at the time of application submittal to the Iowa Economic Development Authority. By signing this certification, the project applicant and project architect/project designer are certifying their intent to comply with all of the **MANDATORY** Iowa Green Streets Criteria applicable to the project as determined by the Iowa Economic Development Authority. This certification also certifies the intent to complete the optional Iowa Green Streets Criteria proposed in the applicant's proposal.

To be Completed by Applicant	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (if applicable)	
Date:	

To be Completed by Project Architect/Project Designer	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/ licensing body)	
Date:	

## ***Appendix C***

### **Certification of Construction Contract Document Compliance**

**Required: Submit this certification prior to starting construction.**

The project applicant/recipient and project architect/project designer are required to sign the certification below prior to commencement of construction. By signing this certification, the project applicant and project architect/project designer are certifying that the construction documents comply with all of the **MANDATORY** Iowa Green Streets Criteria applicable to the project as determined by the Iowa Economic Development Authority. This certification also certifies that the construction documents comply with all optional Iowa Green Streets Criteria in the applicant's project proposal.

To be Completed by Applicant/Recipient	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (if applicable)	
Date:	

To be Completed by Project Architect/Project Designer	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/ licensing body)	
Date:	

## *Appendix D*

### **Certification of Compliance at End of Construction**

**Required: Submit this certification at time of construction completion.**

The project applicant/recipient, project architect/project designer, general contractor and HVAC contractor are required to sign the certification below at time of construction completion. By signing this certification, all signing parties are certifying that the project as constructed complies with all of the **MANDATORY** Iowa Green Streets Criteria applicable to the project as determined by the Iowa Economic Development Authority. This certification also certifies that the project as constructed complies with all of the optional Iowa Green Streets Criteria in the applicant's project proposal.

To be Completed by Applicant/Recipient	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (if applicable)	
Date:	

To be Completed by Project Architect/Project Designer	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/licensing body)	
Date:	

To be Completed by General Contractor	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/licensing body)	
Date:	

To be Completed by HVAC Contractor	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/licensing body)	
Date:	

## ***Appendix E***

### **Energy Performance Certification**

**NOTE:** Appendix E only applies to new construction and gut rehabilitation projects.

**Required:**

☐ **Residential Projects (<4 stories)** – Energy Rater submits Home Energy Rating System (HERS) certificate, Code Certificate, SAVE Reports and signs certification below for submittal by project applicant/recipient.

☐ **Commercial or Residential (>3 stories)** – Energy Rater / Energy Professional submits Code Certificate and energy modeling information and completes and signs certification below for submittal by project applicant/recipient.

The project's independent, third-party energy rater or energy professional for non-residential projects is required to sign the certification below at time of construction completion. By signing this certification, the Energy Rater is certifying that the project, as constructed, complies with all of the **MANDATORY** Iowa Green Streets Criteria energy related criteria applicable to the project as determined by the Iowa Economic Development Authority including the following criteria:

- **5.1a, Building Performance Standard – Single-Family and Multifamily ≤ 3 stories**
  - Energy performance requirements in Energy Performance Table for 5-1a were met
  - HERS Index of 70 or better
  - HVAC SAVE total system performance score of 85 percent or better
  - For all equipment installed, meet or exceed the minimum performance requirements in the energy performance table in Criterion 5-1a
- **5.1b, Building Performance Standard – Multifamily ≥ 4 stories**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - HVAC SAVE total system performance score of 85 percent or better
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, SAVE scores, and thermal bypass checklist
- **5.1c, Building Performance Standard – Mixed Use with Residential**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - HERS Index of 70 or better
  - HVAC SAVE total system performance score of 85 percent or better
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, HERS Rating Certificate, SAVE scores, and thermal bypass checklist
- **5.1d, Building Performance Standard – Commercial**
  - Exceeded the performance of ASHRAE 90.1-2010 Appendix G by 15 percent
  - Passed a pre-drywall thermal enclosure inspection
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
  - Submitted completed reports to the Iowa Economic Development Authority, including the following: energy modeling information showing adherence to exceeding ASHRAE 90.1-2010 Appendix G by 15 percent, code certificate, and thermal bypass checklist

- 5.2, ENERGY STAR and Energy Efficient Appliances (if providing appliances)
- 5.3a, Efficient Lighting: Interior
- 5.4, HVAC Sizing, Installation and Duct Systems
  - Heating and cooling equipment sized in accordance with the Air Conditioning Contractors of America (ACCA) Manual, Parts D, J and S, ASHRAE handbooks, or equivalent software

To be Completed by Energy Rater/Energy Professional	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (license/ licensing body)	
Date:	

## Appendix F

### Energy Performance Certification - Rehabilitation

Required:

☐ **Residential Projects (<4 stories)** – Energy Rater submits HERS rating, SAVE score and Code Certificate and signs certification below for submittal by project applicant/recipient.

☐ **Commercial or Residential (>3 stories)** – Energy Rate submits Code Certificate and energy modeling information, SAVE score and signs certification below for submittal by project applicant/recipient.

☐ **Commercial** – Energy Rate submits Code Certificate and energy modeling information, SAVE score and signs certification below for submittal by project applicant/recipient.

The project's independent, third-party Energy Rater is required to sign the certification below at time of construction completion. By signing this certification, the Energy Rater is certifying that the project, as constructed, complies with all of the **MANDATORY** Iowa Green Streets Criteria energy related criteria applicable to the project as determined by the Iowa Economic Development Authority including the following:

- **5-1e, Building Performance Standard – Single-Family and Multifamily ≤ 3 stories**
  - HERS Index of 85 or better
  - HVAC SAVE performance test of 85 percent or better
  - Thermal imaging report provided
  - Passed pre-drywall thermal enclosure inspection
  - Passed combustion safety test, if applicable
  - Passed blower door and duct blaster test
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
- OR**
- **5-1f, Building Performance Standard – Multifamily ≥ 3 stories**
  - Energy performance meets or exceeds ASHRAE 90.1-2010 without renewable energy
  - HVAC SAVE performance test of 85 percent or better
  - Thermal imaging report provided
  - Passed a pre-drywall thermal enclosure inspection
  - Passed combustion safety test, if applicable
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
- OR**
- **5-1g, Building Performance Standard – Commercial**
  - Energy performance meets or exceeds ASHRAE 90.1-2010 without renewable energy
  - HVAC SAVE performance test of 85 percent or better
  - Thermal imaging report provided
  - Passed a pre-drywall thermal enclosure inspection
  - Passed combustion safety test, if applicable
  - Installed equipment and insulation complying with Iowa Green Streets Criterion 5-1a
- AND**
- **5-2, ENERGY STAR Appliances** (if providing appliances)
- **5-3a, Efficient Lighting: Interior**
- **5-4, HVAC Sizing, Installation and Duct Systems** (residential projects)

To be Completed by Architect, Designer, Engineer, or Energy Professional	
Signature:	
Name:	
Title:	
Tel. No.:	
E-mail:	
Accreditation: (if applicable)	
Date:	

## Appendix G

### Project Plan and Spec Book Checklist

CRITERION	PROJECT PLANS	SPEC BOOK	Architect/Designer Initials
<b>1.1a-b</b> Green Development Plan			
<b>1.3a-b</b> Universal Design	X	X	
<b>2.1a-c</b> Smart Site Location	X		
<b>2.3</b> Walkable Neighborhoods: Sidewalks and Pathways	X		
<b>2.4</b> Walkable Neighborhoods: Connections to Surrounding Neighborhoods	X		
<b>2.5a</b> Smart Site Location: Passive Solar Heating/Cooling	X	X	
<b>2.5b</b> Smart Site Location: Greyfield, Brownfield or Adaptive Reuse Site	X		
<b>2.6</b> Transportation Choices	X		
<b>3.1</b> Environmental Remediation		X	
<b>3.2</b> Erosion and Sedimentation Control	X	X	
<b>3.3</b> Landscaping	X	X	
<b>3.4</b> Surface Water Management	X	X	
<b>3.5</b> Storm Drain Labels		X	
<b>4.1</b> Water Conserving Appliances and Fixtures	X	X	
<b>4.3</b> Water Reuse	X	X	
<b>5.1a-g</b> Building Performance Standards	X	X	
<b>5.1a-g</b> Building Performance Standards–exterior rigid insulation requirement	X	X	
<b>5.2</b> ENERGY STAR and Energy Efficient Appliances		X	
<b>5.3a-b</b> Efficient Lighting		X	
<b>5.4</b> HVAC Sizing, Installation and Duct Systems	X	X	
<b>5.5</b> Optimum Value Engineering (Advanced Framing)	X	X	
<b>5.6</b> Project Data Collection and Monitoring System	X	X	
<b>5.7</b> Additional Reductions in Energy Use	X	X	
<b>5.7a</b> Renewable Energy	X	X	
<b>5.7b</b> Photovoltaic / Solar Hot Water Ready	X	X	
<b>5.8</b> Advanced Metering Infrastructure	X	X	
<b>5.9</b> ENERGY STAR Version 3.0	X	X	
<b>6.1a-b</b> Construction Waste Management		X	
<b>6.2</b> Durable and Low-Maintenance Exteriors	X	X	
<b>6.3</b> Recycled Content Material		X	
<b>6.4</b> Certified, Salvaged, and Engineered Wood Products		X	
<b>6.5a-c</b> Reducing Heat Island Effect		X	
<b>7.1</b> Low/No VOC Paints and Primers		X	
<b>7.2</b> Low/No VOC Adhesives and Sealants		X	
<b>7.3</b> Composite Wood Products that Emit Low/No Formaldehyde		X	
<b>7.4a-b</b> Environmentally Preferable Flooring	X	X	
<b>7.5a</b> Exhaust Fans: Bathroom	X	X	
<b>7.5b</b> Exhaust Fans: Kitchen	X	X	
<b>7.6</b> Ventilation	X	X	
<b>7.7</b> Water Heaters: Mold Prevention	X	X	
<b>7.8</b> Cold and Hot Water Pipe Insulation	X	X	
<b>7.9a-b</b> Materials in Wet Areas	X	X	
<b>7.10a</b> Basements and Concrete Slabs: Vapor Barrier	X	X	
<b>7.10b</b> Basements and Concrete Slabs: Radon	X	X	
<b>7.11</b> Water Drainage	X	X	
<b>7.12</b> Garage Isolation	X		
<b>7.13</b> Clothes Dryer Exhaust	X	X	
<b>7.14</b> Integrated Pest Management	X	X	
<b>7.15</b> Smoke Free Building		X	
<b>7.16</b> Combustion Equipment	X	X	
<b>8.1–8.3</b> Maintenance Manuals & Orientation - Residents & Property Manager			

# Appendix A

## Green Development Plan and Checklist

### Green Development Plan

Developer Name:

Project Name:

Address (Street/City/State):

#### Description of Process

A description of the process that was used to select the green building strategies, systems and materials that will be incorporated into the project. (500 word maximum)

#### Project Team Members

A listing of the team members who participated in the integrated design charrette. Please include name, affiliation/company, and discipline.

#### Goals

Bullet points of the overall green development goals of the project and the expected intended outcomes from addressing those goals.

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# Appendix A

## Green Development Plan and Checklist

☒ Mandatory

☐ Optional

Item		Intended Method of Satisfying Green Criteria	Yes, No or NA	Points	Champion (name and profession/role)
<b>Section 1: Integrated Design</b>					
1-1a	Green Development Plan: Integrative Design Meeting(s)				
1-1b	Green Development Plan: Criteria Documentation				
1-2	Applicant/Recipient, Architect/Project Designer, Contractor Certification				
1-3	Accessibility Rehabilitation (Optional, <i>see full criteria</i> )				
<b>Section 1 Subtotal</b>					
<b>Section 2: Site, Location and Neighborhood Fabric</b>					
2-1	Downtown Design Standards (Optional 15 points)				
2-2	Passive Solar Heating / Cooling (Optional 4 points) (Site map must demonstrate that project satisfies this item)				
2-3a	Grayfield or Brownfield (Optional 15 points)				
2-3b	Adaptive Reuse Site (Optional 12 points)				
2.4	Previous Historic Efforts (Optional 12 points)				
2.5	Historic District Listing (Optional 30 points)				
2.6	Individual Listings (Optional 5 points per building)				
<b>Section 2 Subtotal</b>					
<b>Section 3: Site Improvements</b>					
3-1	Erosion and Sedimentation Control				
3-2	Surface Water Management				
<b>Section 3 Subtotal</b>					
<b>Section 4: Water Conservation</b>					
4-1	Water Reuse (Optional, <i>see full criteria</i> )				
<b>Section 4 Subtotal</b>					

Item		Intended Method of Satisfying Green Criteria	Yes, No or NA	Points	Champion (name and profession/role)
<b>Section 5: Energy Efficiency</b>					
5-1	Efficient Lighting - Exterior				
<b>Section 5 Subtotal</b>					
<b>Section 6: Materials Beneficial to the Environment</b>					
6-1a	Construction Waste Management				
6-1b	Construction Waste Management: Additional Diversion (Optional 5 to 15 points)				
6-2	Durable & Low Maintenance Exteriors				
6-3	Recycled Content Material (Optional, <i>see full criteria</i> )				
6-4	Certified, Salvaged and Engineered Wood (Optional 5 points)				
6-5	Reducing Heat-Island Effect – Roofing (Optional 5 points)				
<b>Section 6 Subtotal</b>					
<b>Section 7: Healthy Living Environment</b>					
7-1	Low/No VOC Paints and Primers				
7-2	Low/No VOC Adhesives and Sealants				
7-3	Composite Wood Products that Emit Low/ No Formaldehyde				
7-4	Lead Paint and Asbestos Abatement				
7-5	Ventilation: Moderate Rehab (Optional 10 points)				
7-6	Basements and Concrete Slabs - Vapor Barrier				
7-7	Water Drainage				
7-8	Integrated Pest Management				
7-9	Smoke-free Building (Optional 2 points)				
<b>Section 7 Subtotal</b>					
<b>Section 8: Operations and Maintenance</b>					
8-1	Building Maintenance Manual				
8-2	Occupant Manual				
8-3	Homeowner /Tenant Orientation				
8-4	Project Data Collection and Monitoring System (Optional 35 points)				
<b>Section 8 Subtotal</b>					
<b>Grand Total</b>					

