City of Boulder Residential Building Guide

Green Building & Green Points Application

Resource Conservation Ordinance 7565

bouldercolorado.gov/plan-develop/green-building-and-green-points-program

FOR ADDITIONS and REMODELS

Before filling out this application, read Green Building & Green Points Guideline Booklet for more in-depth information.

Applicant Name: _____ **Company:**_____

Phone: (____)_____

Project Address: _____**Zip:**_____

Homeowner (if applicable) :_____

1 and 2 Family Dwellings*	**Multifamily Dwellings***
_____ **Total floor area (sq. ft.) of existing**	_____**Total floor area (sq. ft.) of existing structure or units**
_____ Total floor area of addition	_____ Total number of units
_____ Total floor area of remodel (see definition in Green Building / Green Points Guideline Booklet)	_____ Total floor area of addition
_____ Total Green Points selected from worksheet below	_____ Total floor area of remodel (see definition in Green Building / Green Points Guideline Booklet)
_____ Total Green Points awarded for HERS rating lower than required (required rating - design/achieved rating)	_____ Total Green Points selected from worksheet below
	_____ Total Green Points awarded for HERS rating lower than required (required rating - design/achieved rating)

** Not all fields may apply.*

For Application Information:
City of Boulder Planning & Development Services, 1739 Broadway, Third Floor
Mail: P.O. Box 791, Boulder, CO 80306-0791
303-441-1880, Fax: 303-441-3241
Web site: www.boulderplandevelop.net

For Green Points Ordinance Information:
City of Boulder Office of Environmental Affairs 303-441-1880, Fax: 303-441-4070
bouldercolorado.gov/plan-develop/green-building-and-green-points-program

Other Resources:
City of Boulder's Water Conservation Office: 303-413-7407. Web site: www.bouldersaveswater,net
Center for Resource Conservation: 303-441-3278, Web site: www.conservationcenter.org

For Office Use Only

Permit # _____

Floor Area Sq. Ft: _____

☐ 1 & 2 Family Dwelling ☐ Multifamily Dwelling

Points Required: _____

Points Received: _____

Reviewer: _____

Instructions

1. Prior to selecting any measures, consult the Green Points Program Guidelines Booklet, which contains information on specific designs, compliance and other details. The Green Points Guidelines are available at the Planning & Development Services Center or online at:
boulder colorado.gov/plan-develop/green-building-and-green-points-program

2. Determine the floor area of the project. Then refer to the Table 2 on page 4 to determine the number of points needed for the project (new construction, interior remodel or addition) and enter the floor area and points required in the spaces provided on the next page.

> "Floor Area" means the total square footage of all levels included within the outside walls of a building or portion thereof, but excluding courts, garages, attics and crawl spaces.

Inspection and Compliance
All approvals and inspections of Green Points applications shall be done in conjunction with a residential building permit application and field inspections. The applicant shall demonstrate compliance with all of the provisions of Chapter 10-7.5 prior to the issuance of a certificate of occupancy.

Mandatory Green Building Requirements

Mandatory green building requirements are listed in Table 1 for remodels and additions to existing dwelling units. Each type of project will have mandatory green building requirements *and* green points requirements based on the type and size of project.

Table 1 - Mandatory Green Building Requirements

Type of Project: Remodels and Additions to Existing Dwelling Units		
Thresholds for Application of New Construction Standards to the Entire Building as the Result of an Addition • Refer to Section (b)		
Energy Efficiency for Additions and Remodels • Refer to Section (c)		
Energy Audit • Refer to Section (e)	OR	HERS index • Refer to Section (d)
Construction Waste Recycling and Demolition Management • Refer to Sections (f and g)		
For Mandatory Green Points Requirements, See Table 2		

(b) Thresholds for Application of New Construction Standards to the Entire Building as the Result of an Addition

(A) Additions that meet the thresholds below will be considered as new construction and the entire structure will be required to comply with the requirements detailed in Energy Efficiency for New Construction below.

1) The addition is 100 percent or more than the conditioned floor area of the existing dwelling unit and the dwelling unit will have a total conditioned floor area after the addition to the dwelling unit that is up to and including 3,000 sq. ft. in size.

2) The addition is 50 percent or more than the conditioned floor area of the existing dwelling unit and the dwelling unit will have a total conditioned area after the addition to the dwelling unit that is from 3,001 to 5,000 sq. ft. in size.

3) The addition is 25 percent or more than the conditioned floor area of the existing dwelling unit and the dwelling unit will have a total conditioned floor area after the addition to the dwelling unit that is 5,001 sq. ft. or more in size

New Construction Thresholds for Additions

Total Proposed Conditioned Floor Area:	New construction threshold (percentage of existing area)
500 to 3,000 s.f.	100 %
3,001 to 5,000 s.f.	50 %
5,001 s.f. and up	25 %

Energy Efficiency for New Construction

Applicants for new construction must show energy efficiency compliance through the Home Energy Rating System (HERS). Table 1A lists the HERS index requirement for different sizes of projects. A HERS index lower than the minimum required may apply towards the project's Green Points requirements specified in Table 2.

TABLE 1A – Tiers for Energy Efficiency Thresholds and Equivalent HERS Index

Type of Project	Square Footage	HERS Index (max.)	Energy Efficiency Thresholds Above Code (2012) (min.)
New Construction	Up to 3,000	60	14%
	3,001-5,000	50	43%
	5,001 and up	25	64%

(c) Energy Efficiency for Additions and Remodels

Additions that do not exceed the thresholds detailed in the New Construction Threshold Table above and remodels shall demonstrate meeting the energy efficiency requirements by meeting one of the following standards:

1) If upgrading the energy efficiency of the entire structure the applicant may demonstrate that the entire building meets the HERS requirements that are described in Table 1B below, or

2) The new addition or the area of the house that is subject to the remodel may demonstrate that the addition or the remodeled area meets the requirements of the IECC as described in Table 1B below. These projects shall also meet the following requirements:

(A) Complete a blower door test before applying for a building permit to determine whether the building has an air infiltration rate of no more than 0.5 natural air changes per hour (NACH) compliance rating. If the test shows a NACH rating higher than 0.5 the applicant shall meet the requirement detailed in (B.) below.

(B) Improve, repair and seal the dwelling unit, verified by a subsequent blower door test and prior to a certificate of occupancy or completion that demonstrates that:

(i) For buildings that had an infiltration rate of 1.0 NACH or greater, the building shall have a NACH 50 percent or less than the original blower door test.

(ii) For all other buildings an air infiltration rate of not greater than 0.5 NACH compliance rating.

Note: A copy of the follow-up blower door test demonstrating that the required reduction in the NACH has been achieved must be placed in the permit sleeve before final inspection.

Table 1B – Energy Efficiency Thresholds for Remodels and Addition

Total Conditioned Area	HERS Index	Increased Efficiency Above 2012 IECC
Up to 3,000	70	5 percent
3,001-5,000	60	15 percent
5,001 and up	50	30 percent

(3) Remodels – Limitations. A remodel that doesn't substantially remove the interior finish of the thermal envelope, less than 25 percent of total wall and ceiling areas, of the conditioned space is not required to meet the energy efficiency requirements of Table 1B.

(d) Energy Efficiency - HERS Index

A HERS index encompasses the building envelope and equipment components of a house; therefore an applicant cannot take green points for these features as it will be accounted for in the HERS index. For new construction, the energy efficiency and solar options specified in section 10-7.5-4 (e) and (f) cannot also apply to the Green Points requirement. A dwelling that is required to meet the energy efficiency requirements for new construction shall demonstrate that it meets such standard by:

1. The HERS index will be used for the verification of energy performance in new construction. A HERS rating shall be performed by a rater accredited by the Residential Energy Services Network (RESNET).
2. For multi-dwelling projects, through a HERS index sampling protocol authorized and approved by the city Manager; or
3. For multi-dwelling projects, by demonstrating that the energy efficiency has been achieved by using methodology in section R405, “Simulated Performance Alternative” or section C407, “Total Building Performance” of the 2012 International Energy Conservation Code.

Application: A HERS Rater must be employed to assist the designer and/or builder on meeting the mandated HERS requirement for new construction, based on housing type and size.

Verification: A Preliminary HERS Certificate with 'Draft' watermark or a copy of a REM/Rate Building File Report with 'Draft' watermark must be submitted with building permit plans. The HERS index documents proposed compliance with mandated requirements. The **final** HERS Certificate must be submitted to the city before issuance of a Certificate of Occupancy. For new construction, the HERS Rater will also need to perform a pre-drywall inspection and final inspection as part of the standard HERS process.

(e) Energy Audit

An applicant for a building permit for a remodel of or addition to a dwelling is required to obtain an energy audit. The applicant shall provide proof of the completion of an energy audit with the building permit application. The energy audit shall quantify the annual energy performance of the building according to generally accepted standards for energy audits approved by the city manager. An energy audit or an optional HERS rating will indicate how efficiently the building is operating and where improvements can be made. A standard home energy audit includes an energy bill analysis, diagnostic testing which includes, a blower door test, checking for building envelope for leaks, an insulation assessment, heating, cooling and hot water assessment, and a visual lighting and appliances check. Once the audit is completed, a report is delivered to the home owner listing energy saving opportunities and the Home Energy Audit Certificate.

Application: The homeowner must provide the Home Energy Audit (HEA) Certificate, or HERS rating with the building permit application.

(f) Construction Waste Recycling

An applicant shall demonstrate that a minimum of 50 percent of construction waste is recycled. Recycling ALL clean wood, cardboard and metal will count for 50% waste diversion.

Application: Submit a Deconstruction Plan and Construction Waste Recycling Form (Attachment C) with the Green Points/building permit applications.

Verification: A completed Construction Waste Diversion Tracking Spreadsheet (Attachment D) must be provided at the final inspection which shows that the minimum recycling requirements have been met.

(g) Demolition Management

An applicant proposing to demolish more than 50 percent of exterior walls shall demonstrate that at least 65 percent of material by weight from the deconstruction of the

existing structure (including concrete and asphalt) will be diverted from the landfill by providing a deconstruction plan.

Application: Submit a Deconstruction Plan and Construction Waste Recycling Form (Attachment C) with the Demolition Permit or Green Points/building permit applications, whichever is applicable.

Verification: Provide documentation of satisfying the Deconstruction Plan requirements to City staff prior at the final inspection.

Green Points Requirements

Green Points are required for remodels of, and additions to existing dwelling units. Each project is required to obtain the minimum mandatory number of green points specified in Table 2.

Table 2 – Minimum Green Points Requirements*

Project Description	Square Footage	Green Point Requirements
Addition to a Dwelling Unit	500-1,000	15
	1,001-2,000	20
	2,001-3,000	30
	3,001 and up	45
Remodel of a Dwelling Unit	500-1,000	10
	1,001-2,000	15
	2,001-3,000	20
	3,001 and up	30

*For projects that are both an addition and a remodel, add the area of each project together and apply the total area to the Addition to a Dwelling Unit category to calculate the number of Green Points required.

Green Points Application – *To be completed by Applicant. Must read the Green Building and Green Points Guideline Booklet for verification and point option information.*

What does this mean?

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
This references the page number in the Green Points Program booklet where this information is located.	This is the maximum amount of points you can earn for this feature.	This refers to the specific Green Points feature you might select. For more information on each feature, consult the Green Building and Green Points Guideline Booklet.	This refers to the documentation needed to verify you are eligible for points for this feature.	Please indicate where this information is included in your application packet.	This column is for the number of points you are applying for.

B.) Site Development

The green points options listed in the following section can be applied for individually, or as a whole. Applicants can choose to submit a "Landscape Package" that includes information to satisfy all of the requirements for each option.

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Landscaping					
	2	Organic Soil Amendments	Inspection at final. Provide copies of receipts.		
	4	Xeriscape Landscaping	Submit landscape plans at application. Inspection at final		
2. Shading of Hardscapes					
	5 (1 per tree)	Save Mature Trees	Submit tree preservation plan at application. Inspection at final.		
	5 (1 per tree)	Plant New Shade Trees	Inspection at final.		
3. Surface Water Management					
	2	Permeable Site	Submit site or planting plan at application. Inspection at final.		
4. High Efficiency Automatic Irrigation					
	2	High Efficiency Irrigation	Submit Water Conservation Rebate Audit at final inspection.		

C.) Building Rehabilitation

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Rehabilitation and/or Retrofitting of Windows and Doors					
	10	Retrofit Existing Building	Plan Review & Site Inspection		

D.) Waste Management

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Reuse Existing Building					
	5	Reuse Existing Building	Plan Review & Site Inspection		
2. Remodels, Additions, and Demolition Waste Diversion					
	3	Additional Deconstruction Waste Diversion	Plan Review (Attachment C) Submit receipts and Attachment D at final		
3. New Construction Waste Recycling					
	3	Additional Construction Waste Diversion	Plan Review (Attachment C) Submit receipts and Attachment D at final		

E.) Energy Efficiency

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Insulation					
	2	Wall Insulation	Designed Plans due at application. Inspected in field.		
	2	Ceiling Insulation	Designed Plans due at application. Inspected in field.		
	2	Basement/Foundation Insulation	Designed Plans due at application. Inspected in field.		
	2	Insulated Pre-Cast Concrete Foundation	Designed Plans due at application. Inspected in field.		
	2	Insulated Pre-Cast Forms	Designed Plans due at application. Inspected in field.		
2. Windows					
	Up to 5	Windows R-Value	Designed Plans due at application. Inspected in field.		
	Up to 5	Windows SHGC	Inspected in field.		
3. Air Sealing (Existing Building)					
	2—5 (See Booklet)	Dependent on comparison to HERS standard	HERS Inspection		
4. Heating, Ventilation, and Air Conditioning Systems					
	3	HVAC Commissioning	Performance Test		
	Up to 10 (See Booklet)	Ground Source Heat Pump	Engineered Designed Plans		
	2	Direct Vent Space/Water Heating	Designed Plans due at application.		
	2	Energy Star Boiler	Designed Plans due at application. Inspected in field.		
	2	Zoned Hydronic Radiant Heating	Designed Plans due at application. Inspected in field.		
	2—5 (See Booklet)	Passive Cooling	Designed Plans due at application.		
	2	Whole House Fan	Designed Plans due at application. Inspected in field.		
	3	Evaporative Cooling System	Designed Plans due at application. Inspected in field.		

5. Water Heating					
	2	Tankless Water Heater	Designed Plans due at application. Inspected in field.		
	2	Point-of-use Water Heater	Designed Plans due at application. Inspected in field.		
6. Lighting and Appliances					
	5	Energy Star Advanced Lighting	Designed Plans due at application. Inspected in field.		
	2	Efficient Light Controls	Designed Plans due at application. Inspected in field.		
	6	Energy Star Appliances	Designed Plans due at application. Inspected in field.		

F.) Solar

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Passive Solar Heating Design					
	Up to 12 (See Booklet)	Passive Solar Heating Design	Engineer/Architect Design		
2. Solar Thermal Domestic Hot Water Systems					
	8	Solar Thermal Hot Water Systems	Engineer/Architect Design		
3. Solar Thermal Space Heating or Pool/Spa System					
	3	Solar Thermal Heated Pool/Spa	Engineer/Architect Design		
4. Pre-Plumb for Solar Thermal System Retrofit					
	2	Pre-Plumb for Solar Thermal System	Designed Plans due at application. Inspected in field.		
5. Active Solar Electric (photovoltaic) Systems					
	Up to 12 (See Booklet)	Active Solar Electric System	Designed Plans due at application. Inspected in field.		
6. Pre-Wire for Future Solar Electric (photovoltaic) System Retrofit					
	2	Pre-Wire for Future Active Solar	Designed Plans due at application Inspected in field..		

G.) Water Efficiency –High Efficiency Fixtures

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
	Up to 6 (See Booklet)	Water Efficiency- High Efficiency Fixtures	Designed Plans due at application. Inspected in field.		

H.) Material Efficient Framing and Structure

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Advanced Framing Techniques					
	2	24" On-Center Framing	Designed Plans due at application. Inspected in field.		
	2	Insulated Headers	Designed Plans due at application. Inspected in field.		

	2	Energy Efficient Roof Trusses	Designed Plans due at application.		
	2	HVAC Ducts within Conditioned Spaces	Designed Plans due at application. Inspected in field.		
	2	Min. 12" roof overhangs	Designed Plans due at application.		
2. Structural Insulated Panels (SIPs)					
	Up to 8 (See Booklet)	Structural Insulated Panels (SIPs)	Engineered Design due at application. Inspected in field.		
3. Structural Alternatives to Wood					
	Up to 8 (See Booklet)	Structural Alternatives to Wood	Engineered Design due at application. Inspected in field.		

I.) Sustainable Products

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. FSC-Certified Framing Techniques					
	Up to 6 (See Booklet)	Sustainable Wood Products	Supplier Verification in Building Permit Sleeve at final inspection		
2 & 3. Environmentally Preferred Materials and/or Locally Sourced Materials					
	Up to 10 (See Booklet)	Environmentally Preferred Materials & Locally Sourced Materials	Supplier Verification in Building Permit Sleeve at final inspection		

J.) Indoor Air Quality

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
2. Mechanical Ventilation					
	5	Mechanical Ventilation	Final Mechanical Inspection		
	1	Kitchen Exhaust Fan	Final Mechanical Inspection		
	1	Timer or humidistat controlled exhaust fan	Final Mechanical Inspection		
	1	Integrated HVAC ventilation	Final Mechanical Inspection		
	2	Heat Recovery Integrated Ventilation	Final Mechanical Inspection		
3. High-Efficiency HVAC Filter					
	1	High Efficiency HVAC Filter	Final Mechanical Inspection		
4. Radon Mitigation					
	Up to 2	Radon Mitigation	Final Mechanical Inspection		
5. Attached Garage Exhaust Fan					
	1	Attached Garage Exhaust Fan	Final Mechanical Inspection		

K.) Homeowner Information- Operations and Maintenance Binder

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
	1	Binder	Final Inspection	NA	

L.) Design Process and Innovation

Booklet Page	Allowable Points	Feature	Verification	Sheet or Spec #	Applicant Points
1. Green Building Consultants					
	2	Green Building Consultant	Green Building Consultant must Sign Application	NA	
2. Energy Star Builder					
	1	Energy Star Builder	Contractor must Sign Application	NA	
3. Innovation Points					
	Up to 10 (See Booklet)	Innovation Points	Staff Approval	NA	

Total points: _____

Green Building Consultant (please include verification): Print Name:_____

Signature:_____**Date:**_____

Supplier verification

Verification of Accountability by Responsible Party (to be completed by the building project's responsible party/applicant)

By affixing my signature below, I hereby declare and affirm to the city of Boulder that the Green Points options shown below will be provided/executed during the course of the permitted work, and will meet the specifications and requirements of the Green Points program Guideline Booklet. If audited, I will provide all necessary supporting documentation demonstrating that the requirements of the Green Building and Green Points program have been met for the options that have been selected.

Responsible Party

Date: _____

Print Name: _____

Project Role/ Title: _____

Company Name: _____

Signature: _____

Energy Efficiency - Remodels and Additions - ONLY

____(e)(6)(A) ENEGY STAR Advanced Lighting Package

____(e)(6)(B) Efficient Light Controls

____(e)(6)(C) Energy Efficient Appliances (__Refrigerator,___clothes washer,___freezer,___dishwasher)

Verification of Accountability by Responsible Party (to be completed by the building project's responsible party/applicant)

By affixing my signature below, I hereby declare and affirm to the city of Boulder that the Green Points options shown below will be provided/executed during the course of the permitted work, and will meet the specifications and requirements of the Green Points program Guideline Booklet. If audited, I will provide all necessary supporting documentation demonstrating that the requirements of the Green Building and Green Points program have been met for the options that have been selected.

Responsible Party

Date: _____

Print Name: _____

Project Role/ Title: _____

Company Name: _____

Signature: _____

Sustainable Products

____ (i)(1) FSC-Certified Tropical Wood or No Tropical Wood

____(i)(2) Select Environmentally Preferable Materials

____(i)(3) Select Locally Sourced Materials

Attachment C-1

Permit number:_____

City of Boulder
Construction Waste Recycling Application

(Required for all construction and demolition projects involving removal of more than 50% of exterior walls)

PURPOSE: The City of Boulder is working towards establishing a Zero Waste Community. The following program requirements promote the practices of reusing and recycling of building materials through demolition management and construction waste recycling in order to limit the amount of materials sent to landfills.

50% of construction waste generated as part of this project must be reused, donated, or recycled including but not limited to clean wood, metal, and cardboard. Points can be chosen for recycling above the required diversion rate of 50%. Review the Green Points Program Guidelines Booklet for additional point options.

Applicant's Name:	**Date:**
Property Address:	**Phone:**

PROJECT DESCRIPTION: Please list all exterior alterations proposed for the property below. Additional resources can be downloaded at www.bouldergreenpoints.com to assist with estimations and/or diversion and waste generation quantities.

Project Address:	Project Date: Start_____ End_____
Permit Number:	Year built:
General Contractor:	Phone:
Property Owner:	Phone:
Project Description:	

DECONSTRUCTION/CONSTRUCTION WASTE RECYCLING MANAGER: Who will manage the job site construction waste recycling?

Waste Recycling Contractor: _____ Name:_____

Phone:_____ Email:_____

ESTIMATED DIVERSION: Please fill out the tables below to estimate the diversion rate for the project.

Total Project Waste is estimated at 4 lbs per square foot of new construction. Use formula below:

_____	x 4 =	_____	÷ 2000 =	_____
Square Feet		Total Project Waste (lbs)		**Total Project Waste (tons)**

To comply with the permitting requirements, this project must achieve a diversion rate of 65% for Deconstruction/Demolition and 50% for New Construction activities. Estimate your total waste diversion rate by using the table below to indicate the building materials that you plan to reuse, or recycle.

(Actual diversion will be tracked on the attached Construction and Demolition tracking spreadsheet)

MATERIAL TYPE	TONS DIVERTED (Reuse/recycle)	COMMENTS
WOOD *(lumber plywood, trusses, clean wood)*		
METAL *(steel, HVAC, ductwork)*		
MASONRY *(Brick, stone, block, concrete)*		
CARDBOARD		
APPLIANCES		
FLOORING *(wood, tile, vinyl, carpet, pad)*		
DOORS/WINDOWS *(cabinets/fixtures)*		
	=	Total Waste Diverted
	÷	Total Project Waste (from formula above)
	%	Diversion rate

List all registered transporters that will be moving material off site.

Transporter	Phone #	Print Name	Signature	Date

Permit number:_____

I AGREE TO SUBMIT A FINAL REPORT WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT; FINAL REPORT MUST VERIFY THE ACTUAL DIVERSION ACHIEVED. **COMPLETE TRACKING SPREADSHEET (ATTACHMENT D) & INCLUDE ALL HAULER RECEIPTS, WEIGHT TICKETS, AND FACILITY SIGN-OFFS AND/OR INVOICES (PLACE IN PERMIT SLEEVE PRIOR TO FINAL INSPECTION).**

ESTIMATED DATE OF COMPLETION: _____

Submitted by (signature): _____ **Date** _____

Print Name _____ **Title** _____

If Your Diversion Rate is less than 50% for new construction waste, provide justification why the project cannot meet the diversion requirement:

_____

_____

FOR OFFICIAL PERMITTING OFFICE USE ONLY

DATE PLAN/REPORT/TRACKING SPREADSHEET RECEIVED BY PERMITING OFFICE:

APPROVED _____ NOT APPROVED _____ DATE _____

COMMENTS _____

_____

APPROVED BY _____ TITLE _____

Permit number:_____

City of Boulder
Demolition Waste Recycling Application

(Required for all construction and demolition projects involving removal of more than 50% of exterior walls)

PURPOSE: The City of Boulder is working towards establishing a Zero Waste Community. The following program requirements are meant to promote the practices of reusing and recycling of building materials through demolition management and construction waste recycling in order o limit the amount of materials sent to landfills.

65% of demolition waste generated as part of this project must be reused, donated, or recycled including but not limited to clean wood, metal, and cardboard. Points can be chosen for recycling above the required diversion rate of 65%. Review the Green Points Program Guidelines Booklet for additional point options.

Applicant's Name:	**Date:**
Property Address:	**Phone:**

PROJECT DESCRIPTION: Please list all exterior alterations proposed for the property below. Additional resources can be downloaded at www.bouldergreenpoints.com to assist with estimations and/or diversion and waste generation quantities.

Permit Number:		Year built:
General Contractor:		Phone:
Property Owner:		Phone:
Type of Dwelling: ☐ Single-unit ☐ Multi-unit ☐ Townhome		
Accessory Structure: Y/N _____ ☐ Detached ☐ Attached		
Total Structure _____ sq ft	Deconstruction _____ sq ft	Remaining _____sq ft
Greater than 50% of exterior wall area to be removed? Y/N _____ *(deconstruction activities in which **less** than 50% of the exterior walls are removed are exempt from recycling requirements)*		
Project description:		

ON-SITE DECONSTRUCTION ASSESSMENT: Prior to submitting this application, schedule an on-site deconstruction assessment and complete fields below.

Ben Weisz
ReSource Deconstruction Coordinator
(303) 419-5418 ext.102

Deconstruction Professional (performed deconstruction eval):	Company Name:
Deconstruction Professional sign-off:	Date:

DECONSTRUCTION/CONSTRUCTION WASTE RECYCLING MANAGER: Who will manage the job site construction waste recycling?

Waste Recycling Contractor: _____ Name:_____

Phone: _____ Email:_____

ESTIMATED DIVERSION: Please fill out the tables below to estimate the diversion rate for the project.

To comply with the permitting requirements, this project must achieve a diversion rate of 65% for Deconstruction/Demolition and 50% for New Construction activities. Estimate your total waste diversion rate by using the table below to indicate the building materials that you plan to reuse, or recycle.

(Actual diversion will be tracked on the attached Construction and Demolition tracking spreadsheet)

MATERIAL TYPE	TONS DIVERTED (Reuse/recycle)	COMMENTS
WOOD *(lumber plywood, trusses, clean wood)*		
METAL *(steel, HVAC, ductwork)*		
MASONRY *(Brick, stone, block, concrete)*		
CARDBOARD		
APPLIANCES		
FLOORING *(wood, tile, vinyl, carpet, pad)*		
DOORS/WINDOWS *(cabinets/fixtures)*		
	=	Total Waste Diverted
	÷	Total Project Waste (estimate)
	%	Diversion rate

List all registered transporters that will be moving material off site.

Transporter	Phone #	Print Name	Signature	Date

Permit number:_____

I AGREE TO SUBMIT A FINAL REPORT WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT; FINAL REPORT MUST VERIFY THE ACTUAL DIVERSION ACHIEVED. **COMPLETE TRACKING SPREADSHEET (ATTACHMENT D) & INCLUDE ALL HAULER RECEIPTS, WEIGHT TICKETS, AND FACILITY SIGN-OFFS AND/OR INVOICES (PLACE IN PERMIT SLEEVE PRIOR TO FINAL INSPECTION).**

ESTIMATED DATE OF COMPLETION: _____

Submitted by (signature): _____ **Date** _____

Print Name _____ **Title** _____

If Your Diversion Rate is less than 65% for deconstruction, provide justification why the project cannot meet the diversion requirement:

_____

_____

FOR OFFICIAL PERMITTING OFFICE USE ONLY

DATE PLAN/REPORT/TRACKING SPREADSHEET RECEIVED BY PERMITING OFFICE:

APPROVED _____ NOT APPROVED _____ DATE _____

COMMENTS

_____

_____

APPROVED BY TITLE

_____

CONSTRUCTION/DEMOLITION WASTE RECYCLING TRACKING SPREADSHEET

Applicant Name:	**Phone:**
Project Address:	**Email:**
Permit Number:	**Date Completed:**

DATE	Ticket #	Billed Amount *($0.00)*	LANDFILL *(trash)*	WOOD *(lumber plywood, trusses, clean wood)*	METAL *(steel, HVAC, ductwork)*	MASONRY *(brick, stone, block, concrete)*	CARDBOARD *(clean)*	APPLIANCES *(refrigerator, range, water heater)*	FLOORING *(wood, tile, vinyl, carpet)*	SALVAGE *(doors, windows, cabinets, fixtures)*	TOTAL RECYCLE *(add blue columns)*	TOTAL WASTE *(total recycle + landfill)*	HAULER	DESTINATION	COMMENTS