



2026 Tools & Templates

ENTERPRISE GREEN COMMUNITIES

Augst 12, 2026



Today's Session

1. Refresher: EGC's Framework & Submission Process
2. Deep Dive Into Three Essential New Resources:
 - 2026 Master Construction Specifications
 - Energy & Ventilation Templates
 - Material Screening & Selection Template
3. Additional Tools & Templates Designed to Support a Smooth & Successful Application

Project Types



DWELLING TYPE

MULTI-FAMILY
SINGLE-FAMILY



PROJECT LOCATION

URBAN
RURAL



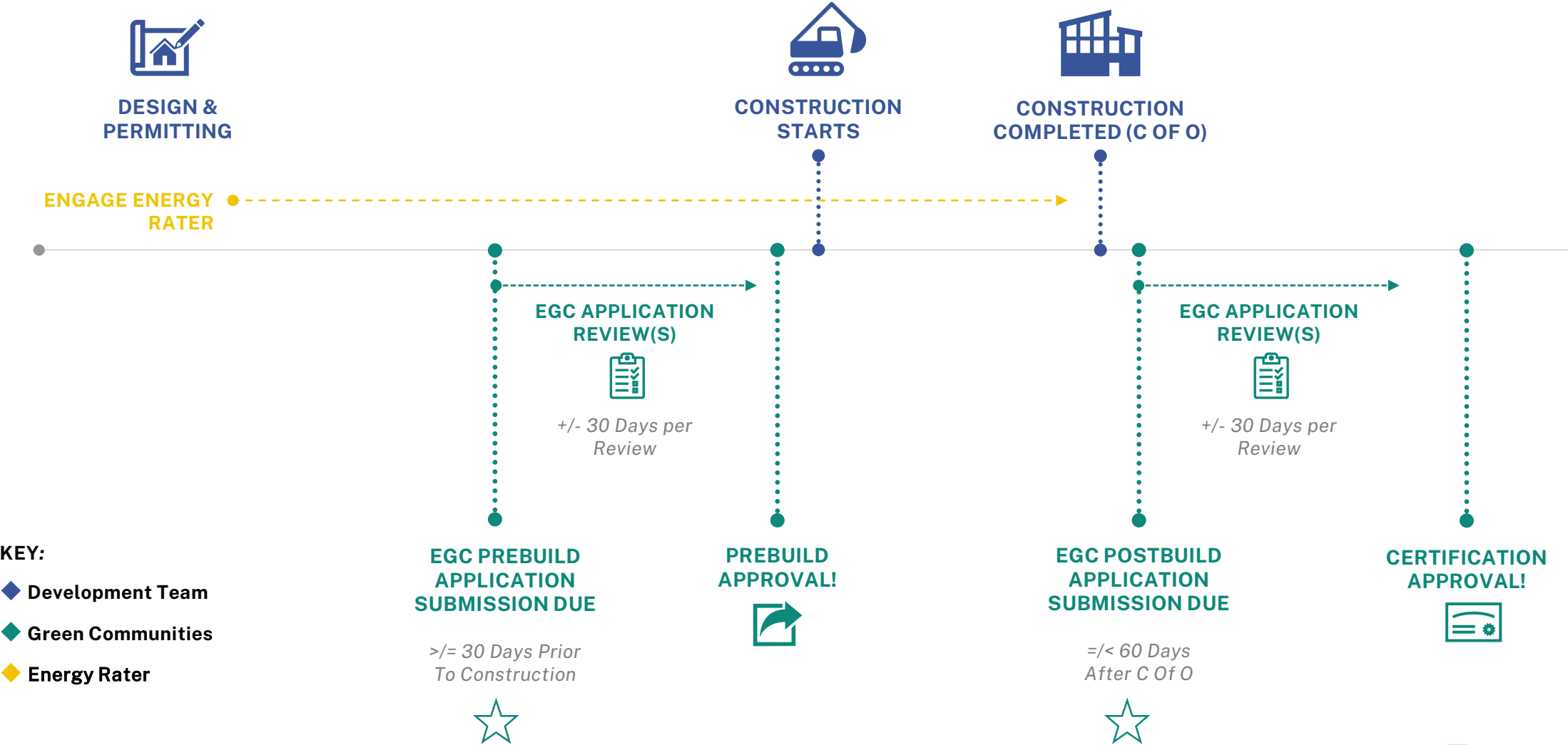
CONSTRUCTION TYPE

NEW CONSTRUCTION
MODERATE & SUBSTANTIAL REHAB

Advanced Performance Certifications & Optional Criteria

Green Communities Certification	Green Communities Certification ^{Plus}	Green Communities Certification ^{Plus} Zero Emissions
Highly Energy Efficient	Highly Energy Efficient + All Electric	Highly Efficient + All Electric + All Site Energy Supplied By Clean Energy Sources

Timeline & Milestones



Deep Dive



Sarah Santiago-Cok
Newport Partners

**2026 Construction
Specifications**



Kayli Skinner
Group 14 Engineering

**Energy & Ventilation
Verification**



Emily Giang
Steven Winters Associates

**Materials Screening &
Selection**

2026 MASTER CONSTRUCTION SPECIFICATIONS

FOR GREEN COMMUNITIES
REQUIREMENTS

2026 ENTERPRISE GREEN COMMUNITIES CRITERIA

CONSTRUCTION SPECIFICATIONS TOOLS

August 2026



Newport Partners L.L.C.



WHAT ARE THE SPECS, AND WHEN DO I USE THEM?

- ✓ Customized by ***architects, developers, green consultants***
- ✓ Informs ***builders*** and contractors of the project team's expectations for:
 - ✓ Submittals
 - ✓ Products
 - ✓ Execution



DEVELOPING PROJECT-SPECIFIC SPECS

Full set of construction specifications used by an architect or developer for a typical project



Customized specifications generated from Enterprise tools



Construction specifications meeting all 2026 Green Communities requirements ***that apply to MasterSpec sections.***

What the Specs ARE

- **Example text** that can be reviewed, edited, and used by project teams
- Communication of requirements **specific to the Green Communities Criteria**.
- List of **suggested contractor submittals** based on Green Communities documentation requirements

What the Specs ARE NOT

- **Comprehensive specifications** that can be used to build a project from start to finish.
- **Final text** that can be used without review and amendments.
- **Full list of all submittals** required for certification under the 2026 Green Communities Criteria.

AVAILABLE RESOURCES FROM ENTERPRISE

Template Specifications



2026
ENTERPRISE
GREEN
COMMUNITIES
CRITERIA

20th Anniversary Edition

Multifamily
Specifications



2026
ENTERPRISE
GREEN
COMMUNITIES
CRITERIA

20th Anniversary Edition

Single Family
Specifications

Specifications Tool

Criteria Selection & Spec Matrix			
Project Information (select from dropdowns)			
Project Type			Location
Building Vintage			IECC Climate Zone
Building Type			EPA Radon Zone

Use this tab to identify which specifications will be relevant to your project. Tips for using this tab:

1. Review the instructions on the "Introduction" tab.
2. Fill out the Project Information section, and then use the filter column (Column C) to hide any rows labeled "Hide." All rows are automatically set to "Show" unless inputs are entered that trigger them to toggle to "Hide".
3. Fill out remaining inputs under "Project Information (select from dropdowns)" (Column E).
4. As inputs are selected, some filters may switch from "Show" to "Hide." To re-apply filters as new inputs are selected, go to the Data tab and click the "Reapply" option within the Sort & Filter group.

Filter	2026 Enterprise Green Communities Criteria	Project Information (select from dropdowns)	Sections Represented in	Related MasterSpec Sections
Always show	1. Integrative Design		01 81 13	
Always show	2. Location and Neighborhood Fabric			
Always show	3. Site Design			
Always show	4. Water			
Always show	5. Energy			
Always show	6. Materials			
Always show	7. Healthy Living Environment			
Show	8. Operations, Maintenance and Resident Engagement			



Windows



Mac OS

DEMONSTRATION

1



Template Specifications

2



Specifications Tool

ENERGY & VENTILATION TEMPLATE

5.1 Energy Planning

5.2 a & b Building Performance

5.4 a & b All-electric & Electric-ready Design

5.5 Peak Demand Control

5.7 Renewable Energy

7.5 Clean Air: Ventilation



Enterprise Green Communities 2026 Criteria

Overview of Energy & Ventilation Verification Workbooks

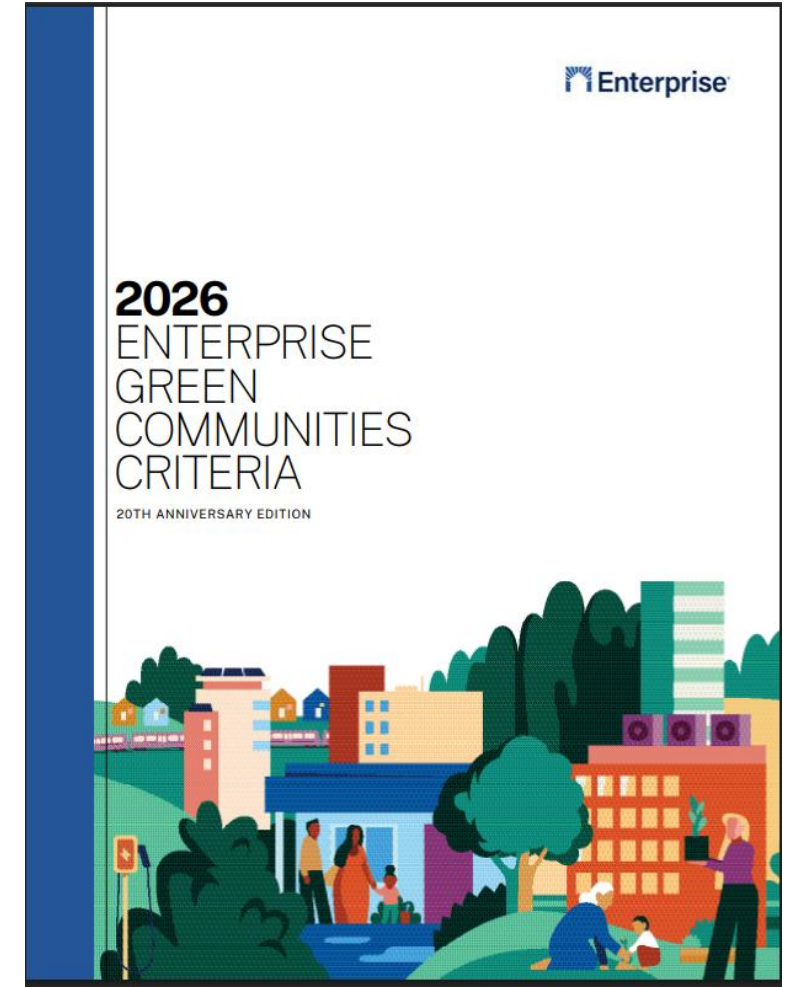
Kayli Skinner, MENV, CC-P, FA
Sustainability Project Manager

Agenda

- Introduction to the Tools
- When to Use & Team Roles
- Submission Milestones
- Accessing Instructions & Workbook Templates
- Navigation & Structure
- Mandatory Tabs & Criterion
 - Energy Rating Index (ERI) Workbooks – NC & Rehabs
 - ASHRAE Workbook
 - Prescriptive Workbook
- Optional Tabs & Criterion
- Tips for a Successful Submission

Objectives of 2026 Workbook Updates

- Streamline Verification for Optional Criterion
- Clarify Mandatory & Supporting Documentation Requirements
- Provide a Supplemental Instructions Document
- Add Ventilation Testing Verification Fields (*Rehabs*)
- Simplify Documentation Pathway for Achieving Enterprise Green Communities Certification Plus (EGC+) and EGC+ Zero Emissions



Selecting the Correct Workbook for Mandatory 5.2 Compliance

- **Energy Rating Index Workbooks**
 - New Construction
 - Moderate & Substantial Rehabs
- **ASHRAE Workbook**
 - New Construction & Rehabs
- **Prescriptive Workbook**
 - New Construction
- ***Alternative Compliance Pathways****
 - *CO & CA Rehabs – Only use ERI rehab workbook if pursuing optional criterion; skip 5.2 tab*

Completing the Workbooks

Required Documentation:

- Energy Model Inputs & Reports (*if applicable*)
 - HERS Reports, Inputs from Ekotrope or similar software, ASHRAE 90.1 model
- *ENERGY STAR Documentation (New Construction)*
- *Post-Build: Testing & Sampling Verification*

Who Completes the Workbook?

- Varies by Project Team
 - Ex: Sustainability Consultant, Energy Engineer
 - Architects, Renewable Energy Contractors, MEP Engineers, and Owners can support as needed

Submission Milestones

Pre-Build Submission

- ✓ Complete all required Pre-Build fields
- ✓ Complete optional criterion tabs, as applicable
- ✓ Confirm the proposed design meets minimum compliance requirements

Post-Build Submission

- ✓ Update the workbook with final as-built information
- ✓ Complete all required Post-Build fields
- ✓ Update optional criterion tabs, as applicable
- ✓ Submit the final

Certification!

- ✓ Enterprise Green Communities Certification (EGC)
- ✓ EGC+ Certification
- ✓ EGC+ Zero Emissions
- ✓ Selected optional criteria supports eligibility for higher certification tiers

Accessing Instructions & Templates

- Supplemental Instructions offer in-depth guidance for each tab & workbook
- Download the workbook templates and instructions document here:
<https://www.greencommunitiesonline.org/certification-tools-and-templates>

Enterprise Green Communities

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Energy and Ventilation Workbook Instructions

3

Workbook Navigation

- **White cells** require user input.
- **Cream cells** are automatically calculated based on your input. **DO NOT OVERRIDE THESE CELLS.**
- Hover over cells for instructions. You can review all workbook notes by clicking **Review > Notes > Show All Notes** in the Excel tab bar.

Project Information	Inputs
Project Name	
Date	
Street Address	
City	
State	
Zip Code	
Common Space (sf)	-

White
Cells

Cream
Cells

Zip Code		Inputting the project zip code will impact the state input, eGrid subregion and emissions factors calculations. Ensure this input is completed correctly.
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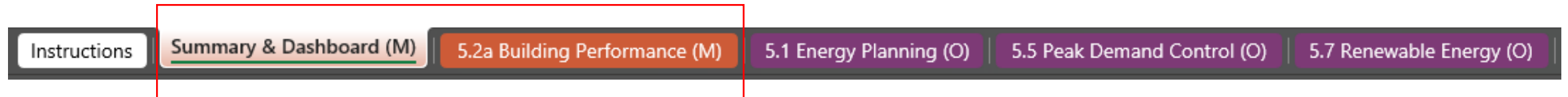
Hover cursor in cells for notes that have red corners

Workbook Navigation: Mandatory Tabs & Criterion

Tab Navigation:

- Mandatory Criterion and Tabs
 - Denoted by (M)
 - **Color-coded Orange**
- Optional Criterion and Tabs
 - Denoted by (O)
 - **Color-coded Purple**

Mandatory Criterion or Tab	Applicable Project Types
Summary & Dashboard Tab	All projects completing the workbooks*
5.2a – Building Performance: New Construction	Energy Rating Index (ERI) ASHRAE 90.1 Prescriptive Pathway
5.2b – Building Performance: Rehabilitation	Energy Rating Index (ERI) ASHRAE 90.1
Testing & Sampling Tab	Mandatory for Substantial Rehabs Optional for Moderate Rehabs



Workbook Navigation: Optional Tabs & Criterion

Optional Criterion and/or Tab	Options & Notes	Contributes to EGC+ or EGC+ Zero Emissions
5.1 – Energy Planning	Complete a Zero Emissions Over Time (ZOT) for 10 pts	N/A
5.3 – Advanced Building Performance	Option 1: Performance above mandatory requirement Option 2: Advanced building certification Option 3: Deep energy retrofit (<i>Rehab only</i>)	Options 2 or 3
5.4a – All-Electric and All-Electric Ready Design: New Construction	Calculates points in criterion summary table	All-electric
5.4b – All-Electric and All-Electric Ready Design: Rehabilitation	Calculates points in criterion summary table	All-electric
5.5 – Peak Demand Control	Option 1: Hot-water thermal storage and control Option 2: Residential demand management	N/A
5.7 – Renewable Energy	Option 1: On-site and/or direct ownership of renewables Option 2: Procurement of community renewable energy Option 3: Procurement of off-site renewable energy	<i>100% site energy offset + all-electric design + 5.3 Options 2 or 3 = EGC+ Zero Emissions</i>

Instructions

Summary & Dashboard (M)

5.2a Building Performance (M)

5.1 Energy Planning (O)

5.5 Peak Demand Control (O)

5.7 Renewable Energy (O)

Walk-through: ERI New Construction Workbook

MANDATORY:

2026 Enterprise Green Communities Energy & Ventilation Verification Workbook - Summary & Dashboard Tab

Review the Instructions tab before completing this tab.

Project Information	Inputs
Project Name	
Date	
Street Address	
City	
State	
Zip Code	
Common Space (sf)	-
Prebuild Residential Space (sf)	-
Prebuild Total Conditioned Floor Area (sf)	-
Postbuild Residential Space (sf)	-
Postbuild Total Conditioned Floor Area (sf)	-
Energy Information	Inputs
E-Grid Sub Region	
5.3 Advanced Building Performance - Prebuild Points (Option 1 only)	0

Energy Use Intensity (EUI) Information		
Variable	Prebuild Value	Postbuild Value
Common Space (kBtu/sf)	0	0
Residential Space (kBtu/sf)		
Total Conditioned Floor Area (kBtu/sf) including renewables		
Total Conditioned Floor Area (kBtu/sf) excluding renewables		
Emissions Information		
Variable	Prebuild Value	Postbuild Value
Total Residential and Common Space including renewables (CO ₂ e in lbs)	0.00	
Total Residential and Common Space excluding renewables (CO ₂ e in lbs)	0.00	

Criterion Summary				
Criteria	Pursuing? Y/N	Strategy?	Total Prebuild Points	Total Postbuild Points
5.1 Energy Planning	N	N/A	0	0
5.2 Building Performance		N/A	M	M
5.3 Advanced Building Performance	Y	Option 2: DOE Efficient New Homes	12	12
5.4 All-Electric Design & Electric Ready Design	Y	All-electric property	15	15
5.5 Peak Demand Control	N		0	0
5.7 Renewable Energy	N		0	0
7.5 Clean Air: Ventilation Mandatory for NC and Substantial Renovation Projects	<i>Mandatory for New Construction projects.</i>		0	0
TOTAL:			27	27

Certification Plus	
Project will achieve Certification Plus	Yes! Congratulations!
Project will achieve Certification Plus Zero Emissions	no

Summary & Dashboard

Start with the Summary & Dashboard tab.

Input:

- Project Name
- Date
- Street Address
- City
- Zip Code
 - The 'State' and 'E-Grid Sub Region' cells are linked to the zip code input.
- Select 'Yes' or 'No' dropdown for '*Is this building all-electric besides emergency backup power?*'

Project Information	Inputs
Project Name	Sample
Date	8/12/2026
Street Address	Sample
City	Denver
State	CO
Zip Code	80203
Common Space (sf)	3,500
Prebuild Residential Space (sf)	77,941
Prebuild Total Conditioned Floor Area (sf)	81,441
Postbuild Residential Space (sf)	-
Postbuild Total Conditioned Floor Area (sf)	3,500

Energy Information	Inputs
E-Grid Sub Region	RMPA
5.3 Advanced Building Performance - Prebuild Points (Option 1 only)	8
5.3 Advanced Building Performance - Postbuild Points (Option 1 only)	0
Annual Renewable Energy Production or Purchased (kWh) (If applicable)	850,000
Is the building all-electric besides emergency back-up power?	Yes

Summary & Dashboard

Scroll down to the Common Space – Energy Calculation Table. Input:

- Building Name(s)
- # of Stories
- Conditioned Floor Area of Common Spaces per each Building
 - The table will auto-calculate annual electricity and natural gas usage (if applicable)

Is the building all-electric besides emergency back-up power?	No
---	----

Common Space - Energy Calculation				
Building Name	Number of Stories	Conditioned Floor Area (SF)	Annual Electricity Usage (kWh)	Annual Natural Gas Usage (therms)
Sample	4	3,500	38,500	700

Is the building all-electric besides emergency back-up power?	Yes
---	-----

Common Space - Energy Calculation				
Building Name	Number of Stories	Conditioned Floor Area (SF)	Annual Electricity Usage (kWh)	Annual Natural Gas Usage (therms)
Sample	4	3,500	38,500	0

5.2a Building Performance (M)

Move to the 5.2a Building Performance tab. Enter applicable energy data using Worst Case ERI models in white cells.

- The Fuel Oil and Propane input rows are conditionally formatted and will appear **green** by default.
 - If either fuel type is included in the project, enter the applicable values and the corresponding input cells will become **white**.

Prebuild Building Performance Standard - ERI														
Unit Name	Type Description	WORST CASE CONFIG: Square Footage of Unit Type	WORST CASE CONFIG: Total Annual Electricity Usage (kWh)	WORST CASE CONFIG: Total Annual Natural Gas Usage (therms)	WORST CASE CONFIG: Total Annual Propane Gas Usage (gallons)	WORST CASE CONFIG: Total Annual Heating Oil Usage (gallons)	WORST CASE CONFIG: ERI score of Unit Type	WORST CASE CONFIG: Reference Home ERI score of Unit Type	Total Number of Dwelling Units per Unit Type	Total Square Footage of Unit Type	Total Electricity Usage (kWh)	5.3 Points	Unit EUI (kBtu/sf)	Unit Type Weight
Example: Worst Case 1	Example: 1 bed / 1 bath									0	0			
										0	0			
										0	0			
										0	0			
										0	0			
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										0	0			
										0	0			
										Total Points Achieved:		0		

5.2a Building Performance (M)

Prebuild Building Performance Standard - ERI														
Unit Name	Type Description	WORST CASE CONFIG: Square Footage of Unit Type	WORST CASE CONFIG: Total Annual Electricity Usage (kWh)	WORST CASE CONFIG: Total Annual Natural Gas Usage (therms)	WORST CASE CONFIG: Total Annual Propane Gas Usage (gallons)	WORST CASE CONFIG: Total Annual Heating Oil Usage (gallons)	WORST CASE CONFIG: ERI score of Unit Type	WORST CASE CONFIG: Reference Home ERI score of Unit Type	Total Number of Dwelling Units per Unit Type	Total Square Footage of Unit Type	Total Electricity Usage (kWh)	5.3 Points	Unit EUI (kBtu/sf)	Unit Type Weight
Example: Worst Case 1	1 bed / 1 bath	599	4,942.60	0			56	59	11	6,589	54,369	3	28.15	8%
Worst Case 3	2 bed / 1 bath	927	7,402.90	0			58	59	56	51,912	414,562	1	27.25	67%
Worst Case 3	3 bed / 2 bath	1080	7,785.30	0			56	60	18	19,440	140,135	4	24.60	25%
										0	0			0%
										0	0			0%
										0	0			0%
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										0	0			0%
										0	0			0%
										0	0			0%
										0	0			0%
Total Points Achieved:											8			

- This tab drives all baseline annual energy use and emissions calculations.
- Outputs from this tab feed into the Summary & Dashboard tab.
- Points accrued through 5.3 - Advanced Building Performance will be auto-calculated on this tab and presented in the Summary & Dashboard tab.

Return to the Summary & Dashboard

Input the following variables into the EGC Certification portal:

- Total Conditioned Floor (kBtu/sf) excluding renewables
- Total Residential and Common Space (CO₂e in lbs)

Complete the Criterion Summary Table.

- Select 'Y' or 'N' based on each criterion the project is pursuing
- Select the applicable strategy in the dropdown
- Complete optional criterion tabs (if applicable) and prepare zip file for pre-build submission

Mandatories Complete!

Energy Use Intensity (EUI) Information		
Variable	Prebuild Value	Postbuild Value
Common Space (kBtu/sf)	11	11
Residential Space (kBtu/sf)	26.66	
Total Conditioned Floor Area (kBtu/sf) including renewables	27.13	
Total Conditioned Floor Area (kBtu/sf) excluding renewables	27.13	
Emissions Information		
Variable	Prebuild Value	Postbuild Value
Total Residential and Common Space including renewables (CO ₂ e in lbs)	674,764.19	
Total Residential and Common Space excluding renewables (CO ₂ e in lbs)	674,764.19	

Criterion Summary				
Criteria	Pursuing? Y/N	Strategy?	Total Prebuild Points	Total Postbuild Points
5.1 Energy Planning	N	N/A	0	0
5.2 Building Performance		N/A	M	M
5.3 Advanced Building Performance	Y	Option 2: DOE Efficient New Homes	12	12
5.4 All-Electric Design & Electric Ready Design	Y	All-electric property	15	15
5.5 Peak Demand Control	N		0	0
5.7 Renewable Energy	N		0	0
7.5 Clean Air: Ventilation Mandatory for NC and Substantial Renovation (0 points);	Mandatory for New Construction projects;		0	0
TOTAL:			27	27

Certification Plus	
Project will achieve Certification Plus	Yes! Congratulations!
Project will achieve Certification Plus Zero Emissions	no

ERI Moderate & Substantial Rehab Workbook

2026 Enterprise Green Communities Energy & Ventilation Verification Workbook - Summary & Dashboard Tab

Review the Instructions tab before completing this tab.

Project Information	Inputs
Project Name	Sample
Date	8/12/2026
Street Address	Sample
City	Denver
State	CO
Zip Code	80203
Level of Rehabilitation	Moderate Rehab
Was this project built before 1980?	Yes
Does this project have historic designation?	No
Common Space (sf)	-
Prebuild Residential Space (sf)	60,640
Prebuild Total Conditioned Floor Area (sf)	60,640
Postbuild Residential Space (sf)	-
Postbuild Total Conditioned Floor Area (sf)	-

Energy Use Intensity (EUI) Information		
Variable	Prebuild Value	Postbuild Value
Common Space (kBtu/sf)	0	0
Residential Space (kBtu/sf)	31.94	
Total Conditioned Floor Area (kBtu/sf) including renewables	31.93	
Total Conditioned Floor Area (kBtu/sf) excluding renewables	31.94	
Emissions Information		
Variable	Prebuild Value	Postbuild Value
Total Residential and Common Space including renewables (CO2e in lbs)	474,529.61	
Total Residential and Common Space excluding renewables (CO2e in lbs)	474,602.55	

Criterion Summary				
Criteria	Pursuing? Y/N	Strategy?	Total Prebuild Points	Total Postbuild Points
5.1 Energy Planning	Y	N/A	10	10
5.2 Building Performance	M	N/A	M	M
5.3 Advanced Building Performance	Y	Option 3: Deep energy retrofit (Rehabs)	14	14
5.4 All-Electric and Electric-Ready Design	N	All-electric Property	15	15
5.5 Peak Demand Control	N		0	0
5.7 Renewable Energy	Y	Option 1C	11	11
7.5 Clean Air: Ventilation <i>Mandatory for NC and Substantial Rehabs (0 points); Optional for Moderate Rehabs (varies)</i>	Y			
TOTAL:			50	50

Certification Plus	
Project will achieve Certification Plus	Yes! Congratulations!
Project will achieve Certification Plus Zero Emissions	Yes! Congratulations!

<	>	Instructions	Summary & Dashboard (M)	5.2b Building Performance (M)	Testing & Sampling (M)	5.1 Energy Planning (O)	5.5 Peak Demand Control (O)	5.7 Renewable Energy	...	+	:	
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Summary & Dashboard

Difference from New Construction:

Project Information:

- Select ‘*Level of Rehabilitation*’ from the dropdown
 - Moderate Rehab
 - Substantial Rehab
- Select ‘**Yes**’ or ‘**No**’ for ‘*Was this project built before 1980?*’
- Select ‘**Yes**’ or ‘**No**’ for ‘*Does this project have historic designation?*’
 - Answers will automatically update the HERS target score in the 5.2b Building Performance tab

Project Information	Inputs
Project Name	Sample
Date	8/12/2026
Street Address	Sample
City	Denver
State	CO
Zip Code	80203
Level of Rehabilitation	Moderate Rehab
Was this project built before 1980?	Yes
Does this project have historic designation?	No
Common Space (sf)	-
Prebuild Residential Space (sf)	60,640
Prebuild Total Conditioned Floor Area (sf)	60,640
Postbuild Residential Space (sf)	-
Postbuild Total Conditioned Floor Area (sf)	-

5.2b Building Performance (M)

Difference from New Construction:

‘WORST CASE CONFIG: Reference Home ERI score of Unit Type’

- Auto-populated based on project information inputs

[illegible]

Testing and Sampling (M)

Difference from New Construction:

- Testing & sampling sheet added for Ventilation Verification Results

[illegible]

ASHRAE – New Construction & Rehabs

MANDATORY:

Enterprise Green Communities 2026 - Energy & Ventilation Verification Workbook - Summary & Dashboard Tab

Reference the Instructions tab before completing this tab.

Project Information	Inputs
Project Name	
Date	
Street Address	
City	
State	CO
Zip Code	80203
Total Conditioned Floor Area (sf)	

Energy Information	Inputs
E-Grid Sub Region	RMPA
5.3 Advanced Building Performance - Prebuild Points (Option 1 only)	0
5.3 Advanced Building Performance - Postbuild Points (Option 1 only)	0
Annual Renewable Energy Production or Purchased (kWh) (If applicable)	
Is the building all-electric besides emergency back-up power?	Yes
Is this a moderate or substantial rehab project installing new HVAC systems?	
Is National HVAC Functional Testing Checklist (V1.1) Required? If 'Yes', include in Zip File with this template.	
Are Load Calculations (ACCA	

Energy Use Intensity (EUI) Information		
Variable	Prebuild Value	Postbuild Value
Total Site EUI, excluding renewables (kBtu/sf)		
Total Site EUI, including renewables (kBtu/sf)		

Emissions Information		
Variable	Prebuild Value	Postbuild Value
Total CO ₂ e, excluding renewables (lbs)		
Total CO ₂ e, including renewables (lbs)		

Criterion Summary				
Criteria	Pursuing? Y/N	Strategy?	Total Prebuild Points	Total Postbuild Points
5.1 Energy Planning	Y	N/A	10	10
5.2 Building Performance	M	N/A	M	M
5.3 Advanced Building Performance	Y	Option 2: DOE Efficient New Homes	12	12
5.4 All-Electric Design & Electric Ready Design	Y	Option 2: All Electric Property	15	15
5.5 Peak Demand Control	Y	Option 2 - Residential Demand Management	8	8
5.7 Renewable Energy	N		0	0
7.5 Clean Air: Ventilation <i>Mandatory for NC and Substantial Rehabs [0 points]; Optional for Moderate Rehabs [varies]</i>	N			
TOTAL:			45	45



Instructions

Summary & Dashboard (M)

5.2ab ASHRAE Prebuild (M)

5.2ab ASHRAE Postbuild (M)

Testing & Sampling

Clustering



ASHRAE

- New Construction + Rehab Projects
- Complete ASHRAE model and input values into Prebuild and Postbuild tabs
- New end uses added
- Sections I & II and Mandatory
- Section III is Optional for projects that use the Building Modeled Cost method
- Section IV is required for all Rehabs
 - Provide narratives of existing conditions and energy improvements
- Adds Optional Clustering Tables/Tab for Rehab Energy Models

MANDATORY for 5.2a and 5.2b Building Performance Standard

OPTIONAL for 5.3 Advanced Building Performance: Options 1 and 3

Section I. General Information

Total Conditioned Floor Area of Building (ft²)	0
ASHRAE Compliance Path	
ASHRAE Standard Year	

Section II. Building Modeled Energy Consumption

End-Use	Units	Annual Baseline Energy Consumption	Proposed Design Energy Consumption	% Improvement of Individual End-Use
Electric (USE kWh ONLY)				
Heating	kWh	0.00	0.00	
Cooling	kWh	0.00	0.00	
Fans	kWh	0.00	0.00	
Pumps	kWh	0.00	0.00	
Heat Rejection	kWh	0.00	0.00	
Humidification	kWh	0.00	0.00	
Ventilation	kWh	0.00	0.00	
Domestic Hot Water	kWh	0.00	0.00	
Interior Lighting	kWh	0.00	0.00	
Exterior Lighting	kWh	0.00	0.00	
Appliance and Plug Loads	kWh	0.00	0.00	
Process Loads	kWh	0.00	0.00	
Refrigeration	kWh	0.00	0.00	
Elevators / Conveyance	kWh	0.00	0.00	
EV Charging	kWh	0.00	0.00	
Generators	kWh	0.00	0.00	
Miscellaneous	kWh	0.00	0.00	

ASHRAE 5.2a & 5.2b

Section II. Building Modeled Energy Consumption				
End-Use	Units	Annual Baseline Energy Consumption	Proposed Design Energy Consumption	% Improvement of Individual End-Use
Electric (USE kWh ONLY)				
Heating	kWh	0.00	0.00	
Cooling	kWh	0.00	0.00	
Fans	kWh	0.00	0.00	
Pumps	kWh	0.00	0.00	
Heat Rejection	kWh	0.00	0.00	
Humidification	kWh	0.00	0.00	
Ventilation	kWh	0.00	0.00	
Domestic Hot Water	kWh	0.00	0.00	
Interior Lighting	kWh	0.00	0.00	
Exterior Lighting	kWh	0.00	0.00	
Appliance and Plug Loads	kWh	0.00	0.00	
Process Loads	kWh	0.00	0.00	
Refrigeration	kWh	0.00	0.00	
Elevators / Conveyance	kWh	0.00	0.00	
EV Charging	kWh	0.00	0.00	
Generators	kWh	0.00	0.00	
Miscellaneous	kWh	0.00	0.00	
Gas (USE kBtu ONLY)				
Space Heating	kBtu	0.00	0.00	
Domestic Hot Water	kBtu	0.00	0.00	
Process Loads	kBtu	0.00	0.00	
Cooking	kBtu	0.00	0.00	
Backup / Other	kBtu	0.00	0.00	
Fuel Oil (USE kBtu ONLY)				
Space Heating	kBtu	0.00	0.00	
Domestic Hot Water	kBtu	0.00	0.00	
Backup / Other	kBtu	0.00	0.00	

Total				
Electric Consumption (gross)	kWh	0.00	0.00	
Renewable / PV Production	kWh	N/A	0.00	
Net Grid Electric Consumption	kWh	0.00	0.00	
Gas Consumption	kBtu	0.00	0.00	
Oil Consumption	kBtu	0.00	0.00	
Total Consumption excluding renewables	kBtu	0.00	0.00	
Total Consumption/ft² excluding renewables	kBtu/ft²			
Total Consumption/ft² including renewables	kBtu/ft²			
Emissions				
Total Emissions excluding renewables	CO2e lb			
Total Emissions including renewables	CO2e lb			

ASHRAE 5.2a & 5.2b

Section III. Building Modeled Cost (ONLY FILL IN if project using cost method)				
End-Use	Units	Annual Baseline Modeled Cost	Proposed Design Modeled Cost	% Improvement of Individual End-Use
Electric				
Heating	\$	\$0.00	\$0.00	
Cooling	\$	\$0.00	\$0.00	
Fans	\$	\$0.00	\$0.00	
Pumps	\$	\$0.00	\$0.00	
Heat Rejection	\$	\$0.00	\$0.00	
Humidification	\$	\$0.00	\$0.00	
Ventilation	\$	\$0.00	\$0.00	
Domestic Hot Water	\$	\$0.00	\$0.00	
Interior Lighting	\$	\$0.00	\$0.00	
Exterior Lighting	\$	\$0.00	\$0.00	
Appliance and Plug Loads	\$	\$0.00	\$0.00	
Process Loads	\$	\$0.00	\$0.00	
Refrigeration	\$	\$0.00	\$0.00	
Elevators / Conveyance	\$	\$0.00	\$0.00	
EV Charging	\$	\$0.00	\$0.00	
Renewables / PV Production	\$	\$0.00	\$0.00	
Generators	\$	\$0.00	\$0.00	
Miscellaneous	\$	\$0.00	\$0.00	
Gas				
Space Heating	\$	\$0.00	\$0.00	
Domestic Hot Water	\$	\$0.00	\$0.00	
Process Loads	\$	\$0.00	\$0.00	
Cooking	\$	\$0.00	\$0.00	
Backup / Other	\$	\$0.00	\$0.00	
Fuel Oil				
Space Heating	\$	\$0.00	\$0.00	
Domestic Hot Water	\$	\$0.00	\$0.00	
Backup / Other	\$	\$0.00	\$0.00	
Total				
Electric Cost	\$	\$0.00	\$0.00	
Gas Cost	\$	\$0.00	\$0.00	
Oil Cost	\$	\$0.00	\$0.00	
Total Cost	\$	\$0.00	\$0.00	
Total Cost/ft²	\$/ft²			

Section IV. Energy Improvements (ONLY FILL IN if project is Moderate or Substantial Rehab)			
#	Prior Condition of Building Feature	#	Brief Narrative of Energy Improvement
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	

ASHRAE Optional Clustering Tables

– Rehabs Only –

OPTIONAL: Clustering Tables for Building Energy Modeling																							
\	Building Street Address	City	State	Zip Code	Year Built	# Residential Stories	Community Square Feet	Commercial Square Feet	Residential Square Feet	Gross Square Feet	# Units	0BR	1BR	2BR	3BR	4BR	Building Features	Scope of Work	Start Construction	End Construction	Worst Case Building	Explanation for Worst Case Building	
Cluster #1																							
											0											☐	
											0											☐	
											0											☐	
											0											☐	
											0											☐	
											0											☐	
											0											☐	
TOTALS						-	-	-	-	-	0	0	0	0	0	0							

Cluster #1	Yes or No
1. Will all the buildings within the cluster be complete within a 12 month period?	
2. Will all the buildings within the cluster be meeting identical mandatory and optional Green Communities criteria?	
3. Will all the buildings within the cluster have the same system typologies post-retrofit (heating, cooling, lighting, elevator, envelope)?	
4. Is the residential square footage of all buildings in the cluster within roughly 50% of every other building in the cluster?	
5. Are the buildings within the cluster all either between 1-6 stories, or all between 7-20 stories, or all 21+ stories?	

Prescriptive ENERGY STAR MFNC Pathway

- **Complete the Summary & Dashboard tab**
- Complete any optional criterion within the workbook
- Upload ENERGY STAR MFNC documents to EGC portal



Prescriptive Path

Ensure the design meets all the mandatory requirements for Prescriptive Path projects outlined in the Rater Design and Field Checklists. Submit project Proposed Design Submittal to an [EPA-approved MRO](#). The Proposed Design Submittal includes the following documents (unless otherwise specified by the MRO).

- Rater Design Checklist (standalone OR included in MF Workbook)
- HVAC Design Report
- MF Workbook with Design components completed
- Construction Documents

(Note: This path is not available in California)

Optional Criterion Tabs

OPTIONAL: 5.1 Energy Planning					Emissions Factor Table		
Energy Source	Baseline tCO ₂ e	tCO ₂ Phase 1	tCO ₂ Phase 2	tCO ₂ Phase 3	Energy Source	Emissions Factor	Emissions Factor Units
Electricity	378.12	425.38	425.38	425.38	Electricity	1042	Electricity CO ₂ e factor (lb CO ₂ e / MWh)
Natural Gas	79.67	0.00	0.00	0.00	Natural Gas	11.71	Natural gas CO ₂ e per therm (lb CO ₂ e / therm)
Propane	0.00	0.00	0.00	0.00	Propane	5.80	Propane CO ₂ e lb / gallon
Fuel Oil	0.00	0.00	0.00	0.00	Fuel Oil	452.32	Oil (CO ₂ e /gallon)
Solar Emissions Reduction	0.00	0.00	-425.38	-425.38	Solar	1042.00	Electricity CO ₂ e factor (lb CO ₂ e / MWh)
Total Emissions	457.79	425.38	0.00	0.00			
Total Energy Consumption by Fuel Type	Energy Consumption - Baseline	Energy Consumption - Phase 1	Energy Consumption - Phase 2	Energy Consumption - Phase 3			
Electricity (kWh)	800,000	900,000	900,000	900,000			
Fossil fuel blend (therms)	15,000	0	0				
Propane (gallons)	0	0	0				
Fuel oil (gallons)	0	0	0				
Solar (enter kWh production)	0	0	900,000	900,000			
	Narrative						
	What is the duration of this phase?	5 years from baseline	10 years from baseline	20 years from baseline			
	How will fuel use be reduced during this time period?	elimination of fossil fuels	offsetting by adding a PV-solar on-site	N/A - Zero Emissions achieved			

5.1 Energy Planning (0)

Complete if pursuing 5.1 Energy Planning

- Need to achieve Zero Emissions in a 20-year duration
- Emissions Factor table will auto-populate based on zip code and EPA eGRID2023 factors
- tCO₂e table will auto-calculate based on user inputs
 - Will verify project meets Zero Emissions target
- Complete the Narratives at the bottom of the tab before moving on.
- 10 pts

Energy Source	Baseline tCO ₂ e	tCO ₂ Phase 1	tCO ₂ Phase 2	tCO ₂ Phase 3
Electricity	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00
Propane	0.00	0.00	0.00	0.00
Fuel Oil	0.00	0.00	0.00	0.00
Solar Emissions Reduction	0.00	0.00	0.00	0.00
Total Emissions	0.00	0.00	0.00	0.00

Total Energy Consumption by Fuel Type	Energy Consumption - Baseline	Energy Consumption - Phase 1	Energy Consumption - Phase 2	Energy Consumption - Phase 3
Electricity (kWh)				
Fossil fuel blend (therms)				
Propane (gallons)				
Fuel oil (gallons)				
Solar (enter kWh production)				
	Narrative			
	What is the duration of this phase?			
	How will fuel use be reduced during this time period?			
	Will any equipment be electrified during this time period?			
	Will renewables be added or purchased during this time period?			
	If you adjusted emissions factors during this phase, please provide a narrative description and back-up for this adjustment			

5.1 Energy Planning (0)

Example:

- **Multi-family building, fully electric other than a gas DHW system**
 - Uses 800,000 kWh + 15,000 therms annually at baseline
- **Phase 1:** Within 5 years, project will convert to an all-electric DHW system, reducing therms to 0.
 - Increases electricity usage by 100,000 kWh
- **Phase 2:** Within 10 years, project will install an on-site solar system that fully offsets electricity usage
- **Phase 3:** By year 20, no further changes anticipated
 - Total Emissions is equal to 0 and appears green when 100% offset is achieved

OPTIONAL: 5.1 Energy Planning				
Energy Source	Baseline tCO ₂ e	tCO ₂ Phase 1	tCO ₂ Phase 2	tCO ₂ Phase 3
Electricity	378.12	425.38	425.38	425.38
Natural Gas	79.67	0.00	0.00	0.00
Propane	0.00	0.00	0.00	0.00
Fuel Oil	0.00	0.00	0.00	0.00
Solar Emissions Reduction	0.00	0.00	-425.38	-425.38
Total Emissions	457.79	425.38	0.00	0.00

Total Energy Consumption by Fuel Type	Energy Consumption - Baseline	Energy Consumption - Phase 1	Energy Consumption - Phase 2	Energy Consumption - Phase 3
Electricity (kWh)	800,000	900,000	900,000	900,000
Fossil fuel blend (therms)	15,000	0	0	
Propane (gallons)	0	0	0	
Fuel oil (gallons)	0	0	0	
Solar (enter kWh production)	0	0	900,000	900,000

5.1 Energy Planning (0)

Narrative			
What is the duration of this phase?	5 years from baseline	10 years from baseline	20 years from baseline
How will fuel use be reduced during this time period?	elimination of fossil fuels	offsetting by adding a PV-solar on-site	N/A - Zero Emissions achieved
Will any equipment be electrified during this time period?	gas-fired boilers to be replaced with centralized heat pump hot water heaters; eliminating gas use on-site	No: all-electric	No: all-electric
Will renewables be added or purchased during this time period?	No	Yes	No
If you adjusted emissions factors during this phase, please provide a narrative description and back-up for this adjustment	N/A	N/A	N/A

5.5 Peak Demand Control (O)

Complete if pursuing 5.5 Peak Demand Control

- Not every section of this tab should be completed
- Select one pathway and provide the corresponding information
 - Leave the other Option blank
- **Option 1:** Hot Water Thermal Storage & Control
 - **TIP:** Use the Supplemental Instructions document to complete the Ecosizer report
- **Option 2:** Residential Demand Management
- 8 pts for both pathways

Option 1 - Hot Water Thermal Storage and Control	
Start by visiting the free EcoSizer tool for sizing central water heating systems based on commercial heat pump water heaters (CHPWHs) in multifamily and commercial buildings. The tool is designed to support the building industry to adopt CHPWHs to improve energy efficiency and reduce greenhouse gas emissions. https://ecosizer.ecotope.com/sizer/	
Variables	Inputs
System Tank Volume (Gallons)	
Ecosizer Minimum Tank Volume Size Required (Gallons)	
System Tank Volume Size Meets Minimum Requirements?	
Link to Control Interface Specifications	
Link to System Operations & Maintenance	

OR

Option 2 - Residential Demand Management	
Select Residential Demand Management Strategy	
Narrative of Program Additionally, attach proof that 50% or more of residents are participating in a utility-managed or building-managed demand response program	

5.5 Peak Demand Control (O)

<https://ecosizer.ecotope.com/sizer/>

Option 1: Hot Water Thermal Storage and Control

- For centralized heat pump hot water (HPHW) systems
- Update:
 - Building Type: 'Multifamily'
 - Occupancy Rate: 'ASHRAE Low Income' if the project is predominately affordable housing
 - Peak Gallons per Day: 'ASHRAE Low'
 - Update # of units per project

Building Type
Multifamily

Market rate multifamily building load shape based on Ecotope research. Total hot water usage is based on the number of people and gallons used per person per day from inputs below.

TOTAL PEOPLE & APARTMENTS | **APARTMENT SIZE & OCCUPANCY RATES**

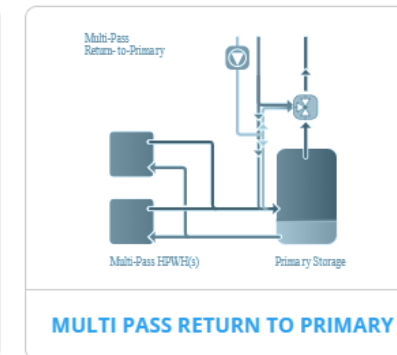
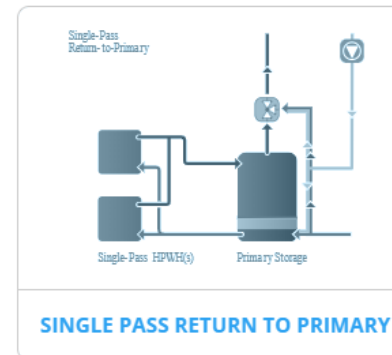
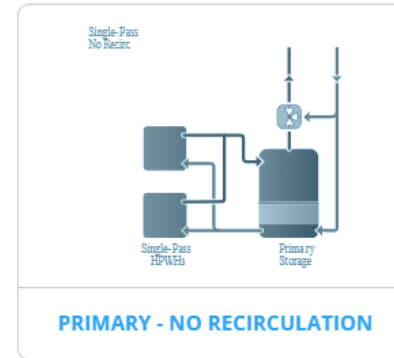
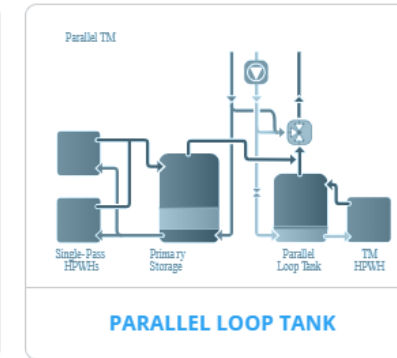
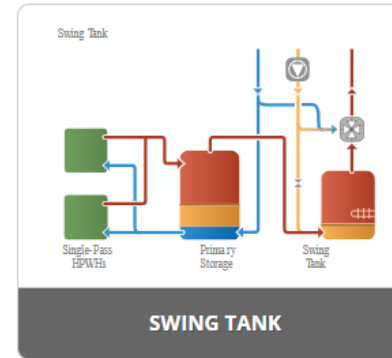
Number of Apartments | Occupancy Rate | Peak Gallons per Day per Person

ASHRAE Low Income | ASHRAE Low

Studio	0	1.69	1	20	49
1 Bedroom	11	2.26	1	20	49
2 Bedroom	54	2.83	1	20	49
3 Bedroom	18	3.4	1	20	49
4 Bedroom	0	3.97	1	20	49
5 Bedroom	0	4.54	1	20	49

5.5 Peak Demand Control (O)

- Select the Piping Configuration of the hot water system
 - Swing, Parallel, Single Pass, Multi Pass, or Non-Recirculatory
- If the project team has advanced specifications, you can include recirculation loop details (*optional*)
 - Can include heat loss & temperature maintenance system safety factor
 - Tool can calculate heat loss if project team's have the flow rate and return temperature



ADVANCED SCHEMATIC OPTIONS ⚙️

5.5 Peak Demand Control (O)

- Input Design Cold
 - This is the coldest water temperature supplied by incoming city water
- Input Supply Water Temperature
 - This is the water temperature supplied to the building occupants from the hot water system/plant
- Input Hot Storage
 - This is the setpoint temperature / the hottest temperature provided by the HPHW
- Load Shift – Toggle On
 - Go to the U.S. Utility Rate Database for your region's utility peak demand hours: <https://apps.openei.org/USURDB/>
 - Input on-peak periods into the Load Shift bar
 - Update the 'Percent of Load Shift Captured' to 100% on the bar slide

 Water Temperature

Design Cold ?
50 °F

Supply ?
120 °F

Hot Storage ?
150 °F

[ADVANCED OPTIONS](#) 

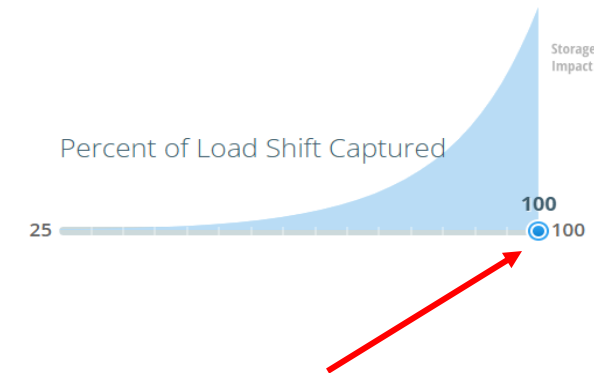
↓ Advanced Controls

Load Shift ☒

☒ PERIOD 1
6-11

☐ PERIOD 2
16-21

0  24

[ADVANCED OPTIONS](#) [SIZE YOUR SYSTEM](#)

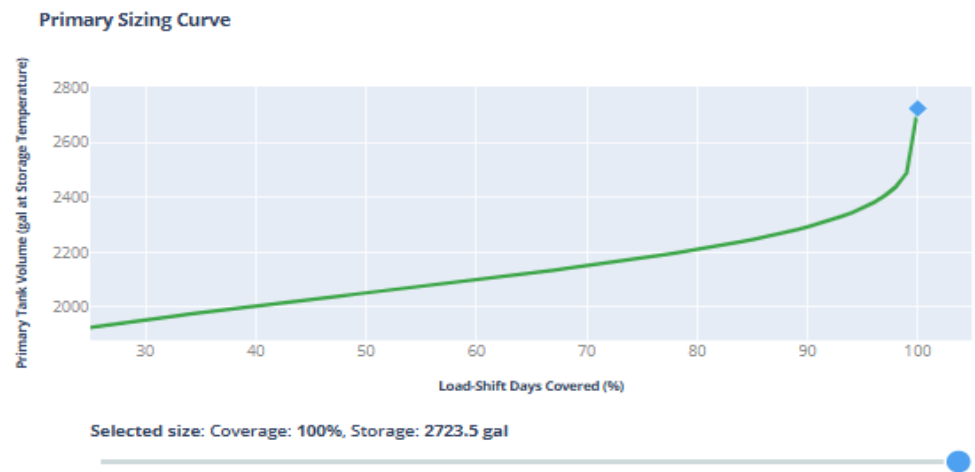
Ecotope, Southern California Edison ("SCE"), Sacramento Municipal Utility District ("SMUD"), Bonneville Power Administration ("BPA"), Northwest Energy Efficiency Alliance ("NEEA"), and Oakridge National Laboratory ("ORNL") provide this software program ("Ecosizer") for the intended "educational and informational" purposes only, and none of these funders guarantees that the information provided by the software is correct, complete, or current. While the computational results of the software may be used only for your design considerations, they should not be used for determining compliance with any applicable federal, state, or local laws or regulations. Please consult a professional

5.5 Peak Demand Control (0)

Results

The graph below represents the trade off between storage volume and heating capacity. The Ecosizer method result is the green curve in the graph. The system sized from user inputs is the blue diamond. Users should pick any point above the green curve to determine their system sizing.

Use the slider bar below the plot to select a different size system.



RECOMMENDATIONS

The recommended minimum heating capacity shown below is the **minimum** needed average output capacity of the selected equipment at the design cold air temperature in your climate zone. Note that you must also account for manufacturer specific defrost penalty.

Tank Volume
2,724.00 Gallons

Heating Capacity
72 kW · 245.70 kBTU/hr

THIS SYSTEM WAS SIZED FOR

Building Load
238.9 People

Apartments
83 Units

Daily Hot Water Usage
20 Gallons per Day per Person

Total Hot Water
4,777.60 Gallons per Day

Recirculation Loop
Heat Loss
100 Watts per Apartment

Load Shift Between
Time: 6 - 11 and 16 - 21

- Review the Tank Volume Output
 - Input this value into the indicated field in the workbook
- Save Results To PDF and include the report in the energy documentation Zip File

SAVE RESULTS TO PDF

SEND US YOUR FEEDBACK

5.5 Peak Demand Control (O)

Option 1 - Hot Water Thermal Storage and Control	
Start by visiting the free EcoSizer tool for sizing central water heating systems based on commercial heat pump water heaters (CHPWHs) in multifamily and commercial buildings. The tool is designed to support the building industry to adopt CHPWHs to improve energy efficiency and reduce greenhouse gas emissions. https://ecosizer.ecotope.com/sizer/	
Variables	Inputs
System Tank Volume (Gallons)	2955
Ecosizer Minimum Tank Volume Size Required (Gallons)	2724
System Tank Volume Size Meets Minimum Requirements?	Yes
Link to Control Interface Specifications	sample
Link to System Operations & Maintenance	sample

Actual system tank volume in gallons

Value from Ecosizer report

- Include links to the Control Interface Specifications and the Systems Operations and Maintenance Manual in the applicable fields

5.5 Peak Demand Control (O) – Option 2

- **Option 2 – Residential Demand Management**
- Select a strategy from the dropdown. Includes:
 - Savings associated with response to peak demand periods
 - Third party programs via Smart Meters for curtailment
 - Smart electrical panels
 - Other
- Provide a narrative of the program and attach evidence that at least 50% of residents are participating

Option 2 - Residential Demand Management	
Select Residential Demand Management Strategy	
Narrative of Program Additionally, attach proof that 50% or more of residents are participating in a utility-managed or building-managed demand response program	Savings Associated with Response to Peak Demand Periods
	Third Party Programs via Smart Meters for Curtailment
	Smart Electrical Panels
	Other

5.7 Renewable Energy (0)

Complete if pursuing 5.7 Renewable Energy

- Option 1: On-site and/or direct ownership of renewables
- Option 2: Procurement of community renewable energy
- Option 3: Procurement of off-site renewable energy
- 7-11 pts

OPTIONAL: 5.7 Renewable Energy					
Not every section of this tab should be completed. There are several compliance pathways available for Criterion 5.7. A project must select only ONE pathway and provide the corresponding information. Please leave the remaining pathway sections blank.					
Option 1					
Strategy A or B Installation of PV equipment that covers at least 50% of the roof area.					
Total Usable Roof Area (SF)	Total Area of On-Site PV Installed (SF)	% of On-Site PV Installed Compared to Total Usable Roof Area	Meets Minimum 50% of Usable Roof Area?	Points Achieved	
Strategy C					
Installation of on-site geothermal energy meeting at least 30% of total building site energy use.					
Annual Site Energy Use (kBtu/yr)	Geothermal Energy Generated (kWh/yr)	Geothermal Energy Generated (kBtu/yr)	% Offset by Geothermal	Meets Minimum 30% Offset?	Points Achieved
Strategy D					
Achieve Option 1 - Strategies A or B AND achieve Option 2					
Achieving Option 1 - Strategy A	Achieving Option 1 - Strategy B	Achieving Option 2	Points Achieved		
OR					
Option 2					
Procure community renewable energy (solar, wind, etc.) to offset at least 15% of total building site energy use.					
Annual Site Energy Use (kBtu/yr)	Renewable Energy Procured (kWh/yr)	Renewable Energy Procured (kBtu/yr)	% Offset by Renewables	Meets Minimum 15% Offset?	Points Achieved

5.7 Renewable Energy (O) – Option 1

Option 1

Strategy A or B

Installation of PV equipment that covers at least 50% of the roof area.

Total Usable Roof Area (SF)	Total Area of On-Site PV Installed (SF)	% of On-Site PV Installed Compared to Total Usable Roof Area	Meets Minimum 50% of Usable Roof Area?	Points Achieved

Strategy C

Installation of on-site geothermal energy meeting at least 30% of total building site energy use.

Annual Site Energy Use (kBtu/yr)	Geothermal Energy Generated (kWh/yr)	Geothermal Energy Generated (kBtu/yr)	% Offset by Geothermal	Meets Minimum 30% Offset?	Points Achieved

Strategy D

Achieve Option 1 - Strategies A or B AND achieve Option 2

Achieving Option 1 - Strategy A	Achieving Option 1 - Strategy B	Achieving Option 2	Points Achieved

- **Strategy A:** Install on-site solar PV
 - **Input:** total usable roof area (SF)
 - **Input:** total area of on-site PV installed (SF)
 - Must achieve minimum **50% of PV installed vs total usable roof area**
- **Strategy B:** Install on-site geothermal
 - **Input:** Geothermal Energy Installed (kWh/yr)
 - **Offset must be at least 30%**
- **Strategy C:** Achieve A or B AND Option 2
 - Select from 'Yes' and 'No' dropdowns

5.7 Renewable Energy (O) – Option 1

Option 1					
Strategy A or B Installation of PV equipment that covers at least 50% of the roof area.					
Total Usable Roof Area (SF)	Total Area of On-Site PV Installed (SF)	% of On-Site PV Installed Compared to Total Usable Roof Area	Meets Minimum 50% of Usable Roof Area?	Points Achieved	
80,000.00	50,000.00	63%	Yes	10	
Strategy C Installation of on-site geothermal energy meeting at least 30% of total building site energy use.					
Annual Site Energy Use (kBtu/yr)	Geothermal Energy Generated (kWh/yr)	Geothermal Energy Generated (kBtu/yr)	% Offset by Geothermal	Meets Minimum 30% Offset?	Points Achieved
1,316,192.65	120,000.00	409,440.00	31%	Yes	10
Strategy D Achieve Option 1 - Strategies A or B AND achieve Option 2					
Achieving Option 1 - Strategy A	Achieving Option 1 - Strategy B	Achieving Option 2	Points Achieved		
Yes	Yes	Yes	11		

5.7 Renewable Energy (0) – Option 2

- Option 2: Procurement of community renewable energy
 - Annual Site Energy Use (kBtu/yr) is auto-populated based on pre- and post-build inputs
 - $\text{Annual Site Energy (kBtu/yr)} = \text{EUI (kBtu/sf}\cdot\text{yr)} \times \text{Conditioned Floor Area (sf)}$
 - **Input:** Renewable Energy Procured (kWh/yr)
 - *Workbook converts to kBtu/yr based on user input*
 - Must achieve minimum 15% offset

Option 2					
Procure community renewable energy (solar, wind, etc.) to offset at least 15% of total building site energy use.					
Annual Site Energy Use (kBtu/yr)	Renewable Energy Procured (kWh/yr)	Renewable Energy Procured (kBtu/yr)	% Offset by Renewables	Meets Minimum 15% Offset?	Points Achieved
1,316,193	80,000	272,960	21%	Yes	8

5.7 Renewable Energy (0) – Option 3

- **Option 3:** Procurement of off-site renewable energy
 - Procure renewable energy equivalent to at least 15% of total projected site energy use
- **Strategy A:** Directly procure renewable energy equivalent through a minimum 10-year contract.
 - +1 pt if procured renewable energy is time-matched / time-aligned
 - +1 pt if renewable energy originates in the same eGrid region
- **Strategy B:** Procure voluntary Green-E-certified RECs from locations where there are no mandated Renewable Portfolio Standards

Option 3			
Procurement of Off-Site Renewable Energy (Select Strategy A or Strategy B)			
Annual Site Energy Use (kBtu/yr)	Renewable Energy Procured (kBtu/yr)	% Offset by Renewables	Meets Minimum 15% Offset?
1,316,192.65		0%	No
Strategy A		Pursuing? Yes or No	Points Achieved
Directly procure renewable energy equivalent through a minimum 10-year contract.			
Is procured renewable energy time-matched or time-aligned renewable energy?			
Does renewable energy originate within same e-grid region?			
		TOTAL	0

OR

Strategy B	Pursuing? Yes or No	Points Achieved
Procure voluntary Green-E certified renewable energy criterias from a location where there are no mandated Renewable Energy Portfolio Standard or community energy programs.		

5.7 Renewable Energy (0) – Option 3

Option 3 Procurement of Off-Site Renewable Energy (Select Strategy A or Strategy B)			
Annual Site Energy Use (kBtu/yr)	Renewable Energy Procured (kBtu/yr)	% Offset by Renewables	Meets Minimum 15% Offset?
1,316,192.65	221,780.00	17%	Yes
Strategy A		Pursuing? Yes or No	Points Achieved
Directly procure renewable energy equivalent through a minimum 10-year contract.		Yes	7
Is procured renewable energy time-matched or time-aligned renewable energy?		Yes	1
Does renewable energy originate within same e-grid region?		Yes	1
		TOTAL	9

OR

Strategy B	Pursuing? Yes or No	Points Achieved
Procure voluntary Green-E certified renewable energy criterias from a location where there are no mandated Renewable Energy Portfolio Standard or community energy programs.	No	

Total project renewable energy (kBtu/yr):	904,180.00	Total % energy offset:	Total points acheived:
		69%	11

Tips for Successful Submission

Criterion	Supporting Documentation
5.1 – Energy Planning	Formal agreements, contracts, and drawings for future electrification or renewables.
5.2a & 5.2b – Building Performance	Applicable ENERGY STAR, HERS, ASHRAE, sampling, testing, and verification reports. For rehabs with new HVAC systems, include the required HVAC functional testing checklist
5.3 – Advanced Building Performance	Documentation confirming the applicable advanced building certification for Option 2.
5.4 – All-Electric or All-Electric Ready Design	MEP drawings, equipment schedules, HVAC submittals, and other documents confirming the selected design.
5.5 – Peak Demand Control	Ecosizer report and domestic hot-water design documents for Option 1, including the hot water system’s sizing calcs, or participation documentation for Option 2.
5.7 – Renewable Energy	Roof plans and PV documentation, geothermal analysis, or procurement contracts, depending on the option pursued.



2026 GREEN COMMUNITIES CRITERIA

Thank you!

MATERIAL SCREENING & SELECTION TEMPLATE

6.1 Product Category Screening

6.4 Advanced Material Selection



6.1 + 6.4

Materials Screening and Selection Template





6

Materials

6.1

Optional: 4 points

Product Category Screening



Pre Construction Submission

6.4

Mandatory;

Optional: 31 points maximum

Advanced Material Selection



Post Construction Submission



At a Glance

- 1 Who uses the tool?
The architect/main procurer of materials on the project
- 2 When is the tool used?
From early design to after construction completion
- 3 Why use the tool?
For teams to continually refer to during the design + construction process to document the impact of their material choices.



Additional Tools & Templates

- Project Priority Survey Template (1.1)
- Design for Health & Wellbeing: Health Action Plan Template (1.6)
- Cultural Resilience Assessment Template (1.7 Option 1)
- Cultural Advisory Group Template (1.7 Option 2)
- Water Calculator Template (4.1 & 4.2)
- *O&M Manual Template (8.1)*
- *Emergency Management Manual Template (8.2)*
- *Resident Manual Template (8.3)*
- *Documentation Instructions (all)*

Reminders

- Reach out to us! Certification@enterprisecommunity.org
- Join **Office Hours!**
 - September 17th 3:30 – 4:30 ET
 - September 28th 3:30 – 4:30 ET
 - October 12th 3:30 – 4:30 ET
- Submit initial prebuild applications for 2020 projects by the **October 1st Deadline**



Thank You!

