

Build Green New Mexico



Build Green New Mexico was launched March 10, 2006 at the National Green Building Conference, which we hosted here in Albuquerque, New Mexico.

We were accepted as a pilot program from the Green Building Initiative, a national program that helps local Home Builders Associations to begin green Building programs.

How the program works



BGNM uses a version of the National Association of Home Builders Model Green Home Building Guidelines. The guidelines are a resource of green building practices for the builder and the criteria for homes certified as GREEN

How the program works

- Build Green NM promotes a truly Holistic approach to sustainability by recognizing performance in seven key areas
- Points are awarded for specific practices in each area and are verified by an independent third party.
- Depending on # of points earned, a home is certified as Bronze, Silver, Gold and the newly added Emerald.

7 Sections within the Guidelines

- **Lot design, Preparation & Development**
- **Resource Efficiency**
- **Energy Efficiency**
- **Water Efficiency**
- **Indoor Environmental quality**
- **Operation, Maintenance and Homeowner Education**
- **Global Impact**

Point Summary

Sections	Points Attained	Points Required		
		Bronze	Silver	Gold
Section 1: Lot Design	0	8	10	12
Section 2: Resource Efficiency	0	44	60	77
Section 3: Energy Efficiency	0	37	62	100
Section 4: Water Efficiency	0	30	40	50
Section 5: Indoor Environmental Quality	0	32	54	72
Section 6: Operation, Maintenance and Homeowner Education	0	7	7	9
Section 7: Global Impact	0	3	5	6
Required Extra Points Accumulated From All Seven Sections		80	90	100
Total Points	0	241	328	*426

Section 4

Water Conservation



Water Efficiency

- The mean per capita indoor daily water use in today's homes is slightly over 64 gallons. Implementing water conservation measures can reduce usage to fewer than 45 gallons. For this reason, green homes are especially welcomed in areas affected by long- and short-term drought conditions

Water Efficiency

- Green homes often conserve water both indoors and out. More efficient water delivery systems indoors and native and drought-resistant landscaping choices outdoors can help prevent unnecessary waste of valuable water resources.

Section 4

Water Conservation

- Adapted to accommodate our arid climate, BGNM has some of most stringent water conservation measures in the nation
- This sets BGNM apart from other green building programs
- Bernalillo County has set BGNM Water Conservation measures at the BRONZE level as their Code minimum alternative, and has proven that these measures meet the State Engineer's requirement of 180 gallons per household/per day
- The ABCWUA voted to support the Count Ordinance by resolution



Bernalillo County Ordinance Residential Point System

- Meet the State Engineer mandate of 180 gallons/per household/per day
- Each new home needs to achieve at least 40 conservation points, 20 indoor and 20 outdoor.
- Several optional home items have negative points. All negative points must be made up with positive points so that the total is 40.

Bernalillo County Ordinance

Residential Point System

- If 30 points are achieved by having entire landscape watered entirely with harvested rainwater, then only 10 points for indoor is needed.
- Points are assigned based on approximate annual water savings.
- One point is assigned for every 1,000 gallons of anticipated annual water savings.

Bernalillo County Ordinance

Residential Point System

- **INDOOR**
- **2 POINTS**
- 1) Energy Star rated dishwasher
- **5 POINTS**
- 1) High efficiency Toilets approved by the EPA Water Wise program used throughout the home
- 2) Use of .5 gpm faucet aerators in all bathrooms

Indoor

- **10 POINTS**
- 1) Energy Star rated clothes washer
- 2) Use of 1.75 gpm showerheads in all showers
- 3) Use of a cooling system that does not make direct use of water (e.g. refrigerated air, heat exchangers, house fans or other options as approved by the ABCWUA)
- 4) All hot water pipes above and below ground insulated to a minimum of R4 and equipped with at least one of the following features: demand-initiated hot water recirculation system, whole house manifold system, and/or core plumbing.

Outdoor

- **2 POINTS**
- 1) Soil amended with organic material prior to planting
- **5 POINTS**
- 1) Efficient sprinkler heads (e.g MP heads)
- 2) Evapotranspiration controlled watering system
- **10 POINTS**
- 1) Entire front yard xeriscaped following the ABCWUA xeriscape guidelines

Outdoor

- **12 POINTS**
- 1) Gray water reuse system for clothes washer
- **15 POINTS**
- 1) Entire property xeriscaped following the ABCWUA Xeriscape guidelines
- **20 POINTS**
- 1) Use of rainwater harvesting for irrigation source for at least half of the landscaped area
- 2) Gray water reuse system for clothes washer, sinks and showers
- **30 POINTS**
- 1) Entire landscape watered entirely with harvested rainwater. No potable water used for outdoor irrigation.

Minus Points

- 1) Swimming pools = -10 points for every 10,000 gallons the pool holds
- 2) Additional showerheads = -10 points for each additional showerhead added in each bathroom
- 3) Water softeners = -5 points
- 4) Fountains, ponds, hot tubs and other aesthetic uses = -10 points

ABCWU Requirements

- Water Authority Requirements
- 180 Gallons usage requirement for all new construction
- EPA HET Toilets with 1.3 gpf
- Evaporative coolers shall be recirculating and have temperature thermostats (Required by Albuquerque Energy Conservation Code December 1, 2009)
- Supports Bernalillo County Water Conservation Ordinance by Resolution

NM Sustainable Building Tax Credit

- **SB 463** will have the most direct impact on the residential construction industry
 - 1. AMENDING PROVISIONS OF THE RENEWABLE ENERGY PRODUCTION TAX CREDIT IN THE CORPORATE INCOME AND FRANCHISE TAX ACT; PROVIDING FOR A RENEWABLE ENERGY PRODUCTION TAX CREDIT IN THE INCOME TAX ACT

Incentives-NM Sustainable Building Tax Credit



- Creates up to \$10 million annually (up to \$21,000 per home) in tax credit for qualified Sustainable Buildings.
- Homes meeting the BGNM Silver and above certification level are eligible for the SBTC

Bernalillo County Impact Fee Reductions

- A 50% reduction in Impact Fees for standard residential construction.
- A 75% reduction in Impact Fees for sustainable residential construction certified by Build Green NM or LEED (as outlined in the criteria below).

City of Albuquerque Impact Fee Reductions

- A 50% reduction in Impact Fees for standard residential construction. Code minimum in Albuquerque is BGNM Silver.
- A 100% reduction in Impact Fees for sustainable residential construction certified by Build Green NM Gold and above.

BGNM Recognitions

- ANSI Standard
- Bernalillo County Code option for Water Conservation Ordinance
- Recommendation of ABCWUA for water conservation.
- Code minimum in City of Albuquerque at Silver level.
- Fast Track Permitting in City of Albuquerque
- NM Sustainable Building Tax Credit