

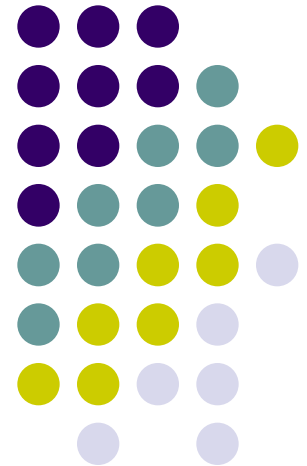
# Scottsdale Green Building Trends



## City of Scottsdale Green Building Program

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# Scottsdale Building Trends

## 2000 – 2014

- **Energy Efficiency**

- Cathedralized attics (insulation at underside of roof decks)
- Adoption of amended 2006 Energy Code with 15% improved efficiency
- Adoption of 2012 Energy Code with additional 15% improved efficiency

- **Water Efficiency** – city ordinances

- Xeriscaping and efficient irrigation systems
- Efficient hot water delivery systems
- High efficiency plumbing fixtures



- **Heat Island Mitigation** – city ordinances & guidelines

- Shaded entrances, courtyards, and permeable surfaces

- **Solar Panel Systems** – permit process

- Streamlined permit process for solar electric (PV) and solar hot water systems

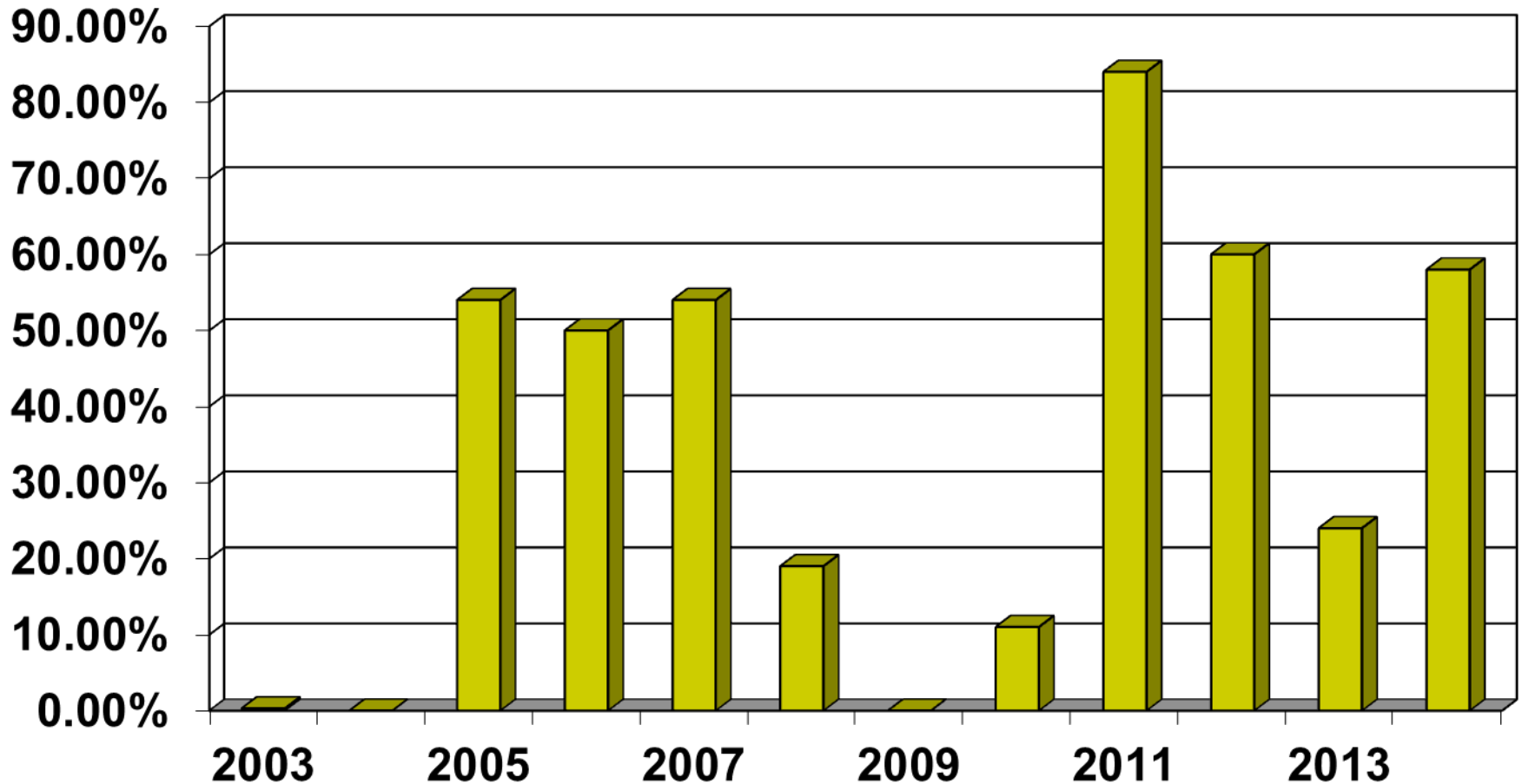


# 2014 Quarterly Green Multifamily Dwelling Permits

<b>2014 Quarter</b>	<b>Total MF Units</b>	<b>Green MF Units</b>	<b>Percentage of Total Units</b>
<b>1<sup>st</sup></b>	<b>928</b>	<b>335</b>	<b>36%</b>
<b>2<sup>nd</sup></b>	<b>169</b>	<b>142</b>	<b>84%</b>
<b>3<sup>rd</sup></b>	<b>630</b>	<b>556</b>	<b>88%</b>
<b>4<sup>th</sup></b>	<b>65</b>	<b>0</b>	<b>0%</b>
<b>TOTAL</b>	<b>1,792</b>	<b>1,033</b>	<b>58%</b>

Source: Scottsdale CDS permit records

# Green Multifamily Dwelling Unit Permits 2003 - 2014



Source: Scottsdale CDS records

# Green Multifamily Dwelling Unit Permits

Year	Total Permits	Green Permits	Percentage of Total Permits
2003	1,500	5	<b>0.3%</b> Includes 5 units at Loloma 5 Townhomes
2004	1,025	0	<b>0%</b>
2005	483	261	<b>54%</b> Includes 253 units at Optima Camelview Village, 8 units at The Duke Earll Drive Townhomes
2006	743	373	<b>50%</b> Includes 299 Optima Camelview Village units, 74 units at Safari (non-green units include Waterfront Towers, Monterey, Barolo)
2007	621	335	<b>54%</b> Includes 198 Optima Camelview Village units, 96 at Corriente, 38 at Safari, 3 at Engle Villas Desert Park Village (non-green units include 17 at Waterfront Towers, 6 at Canavest, 6 at Hancock, 8 at Eagles Pass, 93 at Artesia, 18 at Villa Contendo, 36 at Paseo Village, 100 at Sage, 2 at Clayton)
2008	402	76	<b>19%</b> Includes 56 Optima Camelview Village units, 8 at Engle Villas at Desert Park Village, 10 at Upton, 2 at Safari (non-green units include 68 Silverstone apartments, 16 at Encore Grayhawk, 9 at Artesia, 18 at Wilshire, 7 at Courtyards at Desert Park, 2 at Hancock, 3 at Residences on Main, 203 at Classic Residences at Silverstone)
2009	24	0	<b>0%</b> (non-green projects include 5 at 6 <sup>th</sup> Street Lofts, 8 at Encore Grayhawk, 8 at Courtyards at Desert Park, 3 at Hancock)
2010	264	29	<b>11%</b> Includes 28 Optima Camelview Village units, 1 Meritage model (non-green projects include 118 at Princess Maravilla Casitas, 14 at Courtyard Desert Park, 12 at Encore Grayhawk, 80 at Ten Lofts, 11 misc.)
2011	301	254	<b>84%</b> includes 210 Optima Sonoran I units, 44 at Optima Camelview Village (non-green projects include 39 at Princess Maravilla Casitas, 8 at Encore Grayhawk)
2012	1,024	613	<b>60%</b> includes 325 SkySong units, 264 at Broadstone Lincoln, 24 at Corriente (non-green projects include 388 at TDI One Scottsdale)
2013	2,128	507	<b>24%</b> includes 200 Optima Sonoran II units, 259 at Broadstone Waterfront, 48 at Corriente (non-green projects include 416 at Mark Taylor on McDowell, 369 at Portales, 303 at TDI One Scottsdale, 49 at Sage, 220 at Archstone DC Ranch, 240 at Liv North, 24 at Pinnacle Point/Eagle Pass)
2014	1,798	1,033	<b>58%</b> includes 202 units at Optima Sonoran Village II, 267 at Scottsdale Quarter Crescent, 556 at Clayton Apartment, 8 at Project MZ
<b>Total</b>	<b>10,313</b>	<b>3,486</b>	<b>34%</b>

Source: Scottsdale CDS records



# 2014 Quarterly Green Single Family Permits

<b>2014 Quarter</b>	<b>Total SF Permits</b>	<b>Green SF Permits</b>	<b>Percentage of Total Permits</b>
<b>1<sup>st</sup></b>	128	4	3.1%
<b>2<sup>nd</sup></b>	121	3	2.5%
<b>3<sup>rd</sup></b>	107	0	0%
<b>4<sup>th</sup></b>	84	0	0%
<b>TOTAL</b>	<b>440</b>	<b>7</b>	<b>1.6%</b>

Source: Scottsdale CDS permit records

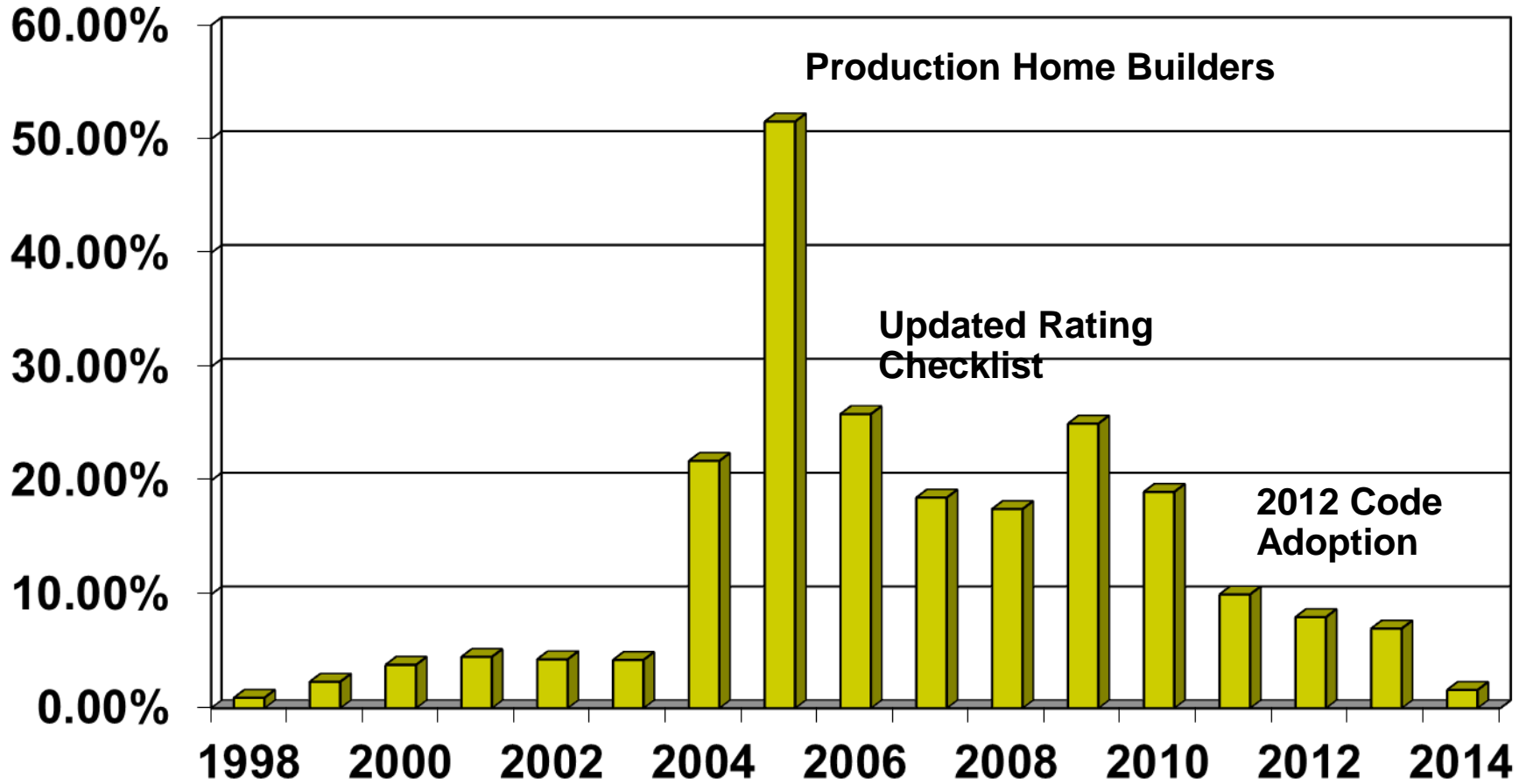


# 2013 Quarterly Green Single Family Permits

<b>2013 Quarter</b>	<b>Total SF Permits</b>	<b>Green SF Permits</b>	<b>Percentage of Total Permits</b>
<b>1<sup>st</sup></b>	109	10	9%
<b>2<sup>nd</sup></b>	136	14	10%
<b>3<sup>rd</sup></b>	68	1	2%
<b>4<sup>th</sup></b>	87	1	1%
<b>TOTAL</b>	<b>400</b>	<b>26</b>	<b>7%</b>

Source: Scottsdale CDS permit records

# Percentage of Green Single Family Permits 1998 - 2014



Source: Scottsdale CDS records



# Green Single Family Permits (1998 - 2014)

Year	Total Permits	Green Permits	Percentage of Total Permits
1998	2172	20	1%
1999	1554	36	2%
2000	1076	41	4%
2001	843	38	5%
2002	768	33	4%
2003	896	38	4%
2004	1137	247	22%
2005	852	439	52%
2006	685	177	26%
2007	573	106	19%
2008	200	35	18%
2009	121	30	25%
2010	149	28	19%
2011	155	15	10%
2012	265	21	8%
2013	400	26	7%
2014	440	7	1.6%
<b>Total</b>	<b>12,286</b>	<b>1,337</b>	<b>11%</b>

Source: Scottsdale CDS records