



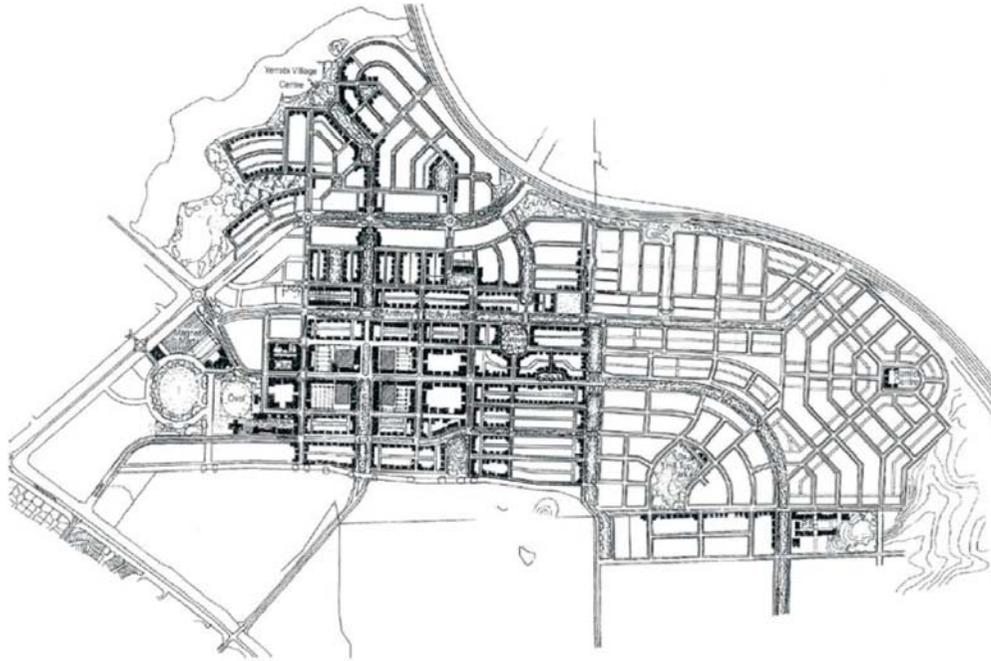
Australian New Urbanism - An Overview of Progress

New Mixed Use Street-based Town Centres



Gungahlin

Canberra, ACT

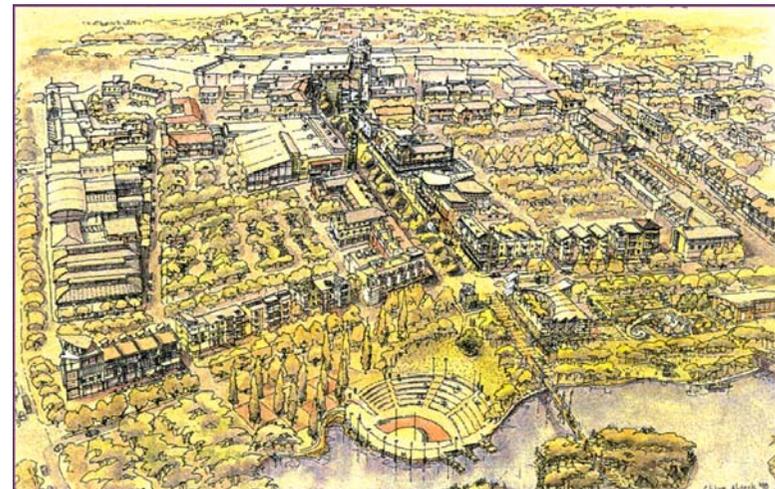
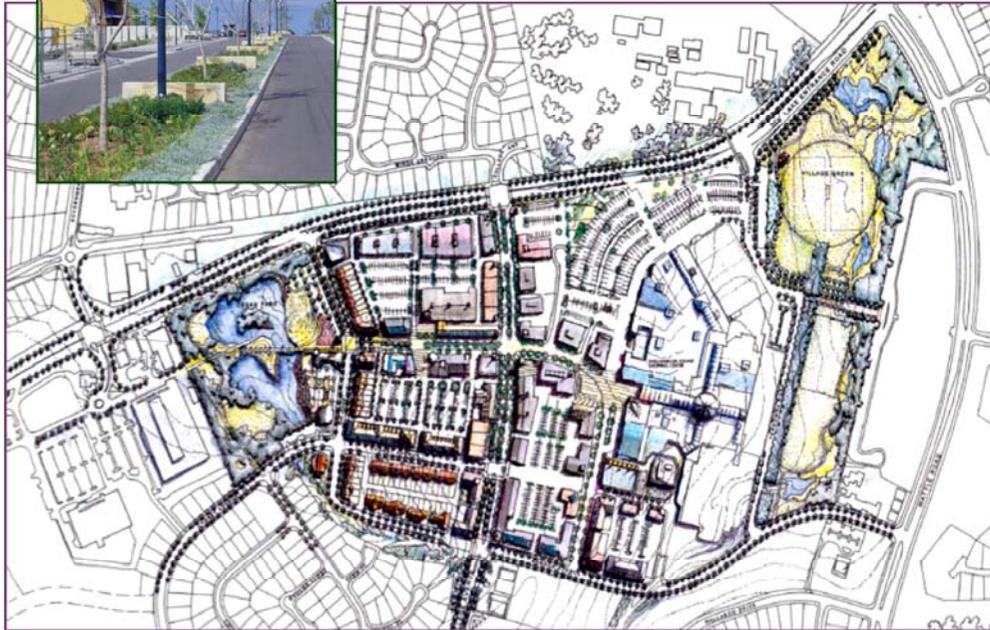


**New street-based town centre,
and new relatively-dense
'inner suburbs'. Led by an
ACT Development Authority.**



Shellharbour City Centre

Shellharbour, NSW



Creating a street-based town centre for Shellharbour by linking up two distant retail stand-alone centres. Mixed uses are gradually being constructed along the new street. Cinemas and restaurants are completed. Pub underway.

Rouse Hill Regional Centre

NW Sydney, NSW



Street-based mixed use regional centre under construction in 2007 to serve new urban growth in Sydney's North-west Sector. State government-owned site.



Joondalup City Centre

Perth, WA

Creating dense, mixed use inner suburbs around a new urban fringe centre. Extensive terrace housing, rear lanes, studio units and a range of small business spaces.



Point Cook Town Centre

Western Melbourne, VIC



Main street-based centre to serve around 30,000 people in the Wyndham growth corridor. 'Melbourne 2030' demonstration. Private developer (Walker Corp) appointed by VicUrban, and construction of Stage 1 is now open (August 2008).





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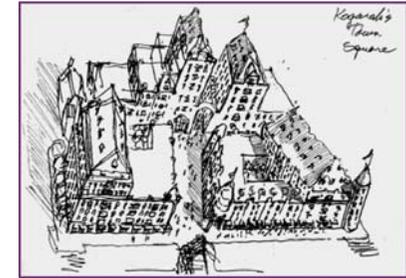
Urban Centre Regeneration



Kogarah Town Centre

Southern Sydney, NSW

Major revitalisation of middle-ring town centre to walkable urban village. Catalysed by redevelopment of a Council car park to a five-storey mixed use development focussed around a new town square. Leading design demonstration of building energy and water efficiency.



Gosnells Town Centre

Perth, WA

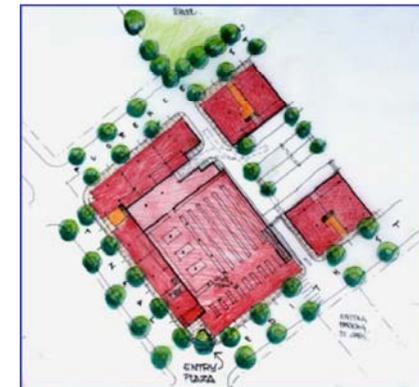
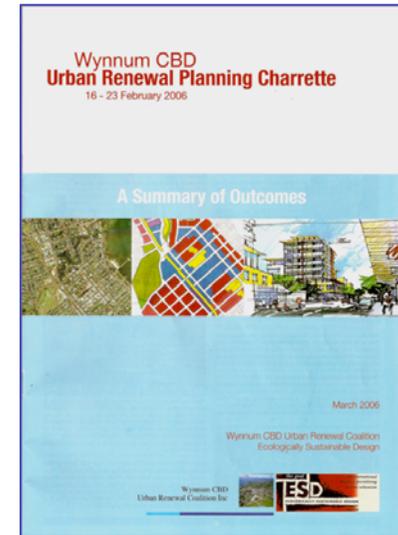


Council-led redevelopment of town centre badly affected by low amenity, car-based highway strip development. New Main Street connected at-grade across the rail line to integrate communities west of the line into the Centre, and a new station constructed.



Wynnum Central Brisbane, Qld

Charrette-based community
-initiated TOD revitalisation
strategy incorporating 6-8 storey
mixed use buildings





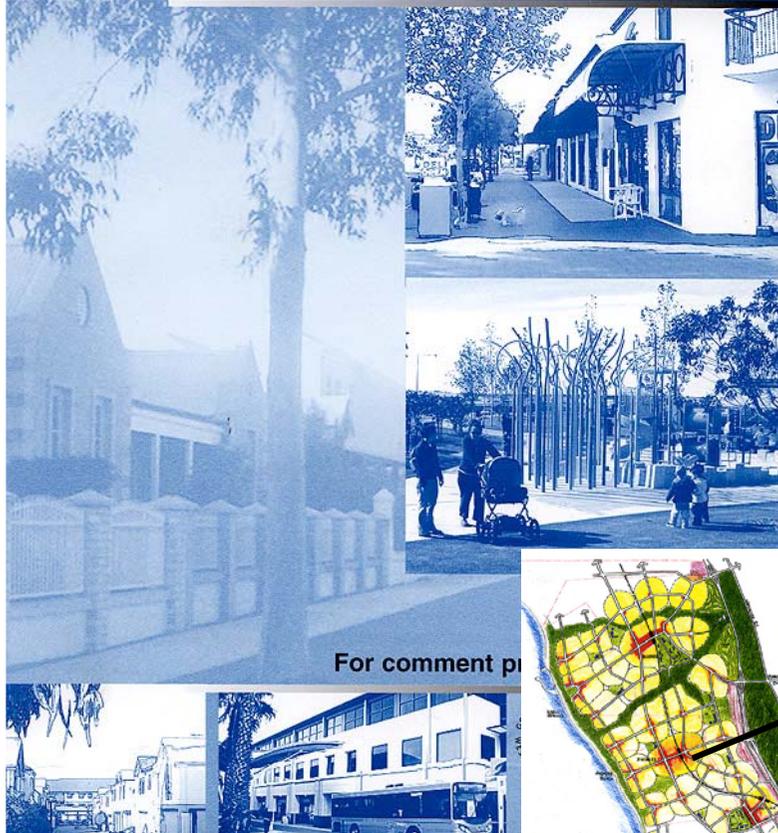
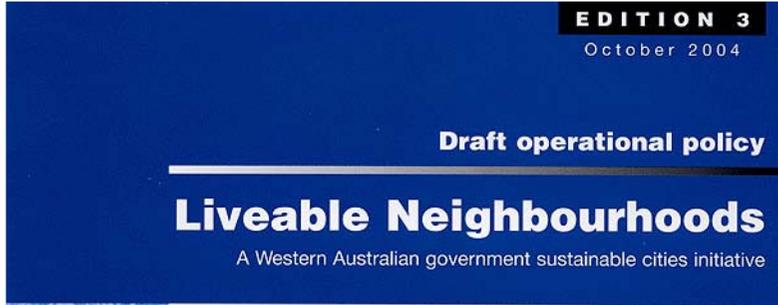
Australian New Urbanism - An Overview of Progress

Government Codes, Strategies and Policies



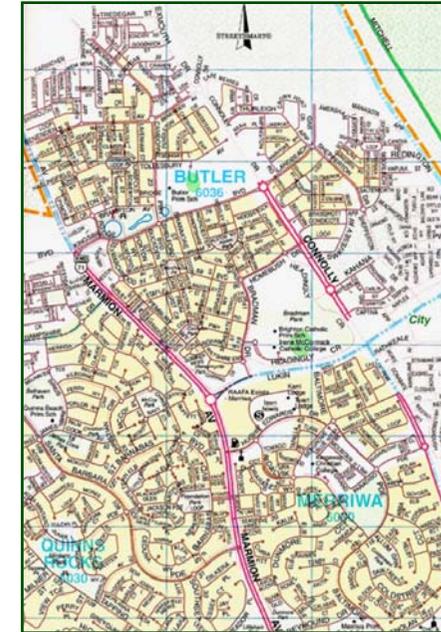
Liveable Neighbourhoods Code

State-wide Code, WA



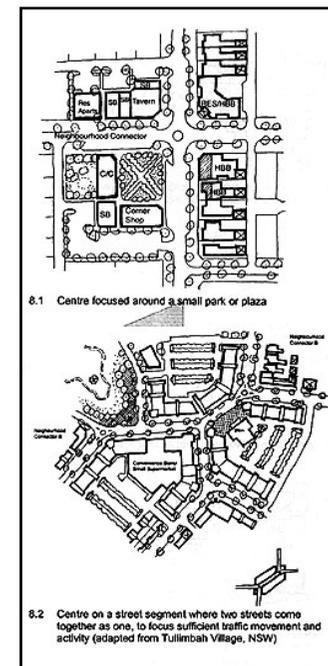
Code Design Elements

- E1. Community Design
- E2. Movement Network
- E3. Lot Layout
- E4. Public Parkland
- E5. Urban Water Management
- E6. Utilities
- E7. Activity Centres & Employment
- E8. Schools



CNU 2001 Charter Award winner

Edition 4 now adopted as Policy



Western Sydney Urban Land Release

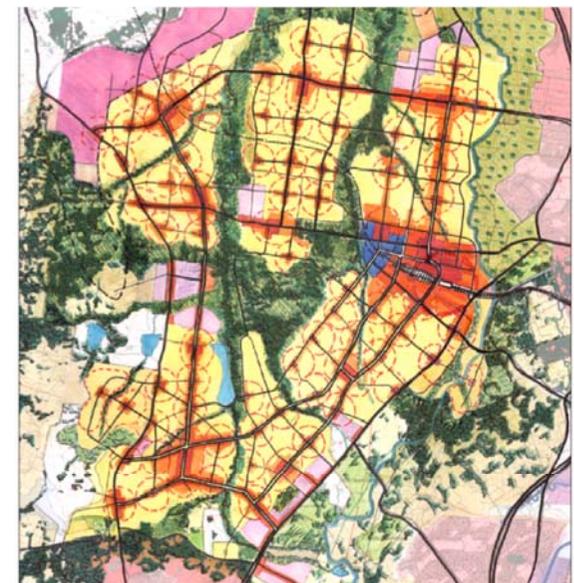
Western Sydney, NSW

State Government-led large-scale sustainable regional planning initiative for two new major city regions.



Growth Centres
Commission established; innovative infrastructure funding mechanisms set up; mixed use transit-supportive development must be delivered.

Plan shows innovative balance between habitat preservation and efficient urban form.



CNU 2005 Charter Award winner



Conclusions



Key Challenges for Australian New Urbanism

- Encouraging more use of integrative and collaborative design -based planning processes
- Finding a better balance between ‘green/blue’ conservation land protection and efficient urban structure.
- Continuing battles against conservative Local and State Government engineering standards - ‘land slop’!
- Making real progress towards increased residential density and mixed use, under increased political resistance and financier conservatism.
- *‘The Long Emergency’*, peak oil, climate change, and the likely need for radical and rapid change to urban development in response to oil supply and greenhouse gas challenges.



Enquiry-by-Design approach

Most projects involved significant design workshops or charrettes

Highlights the competing challenges to achieving good urbanism

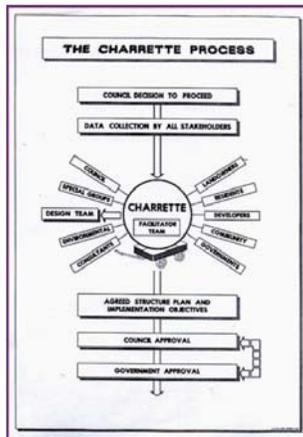
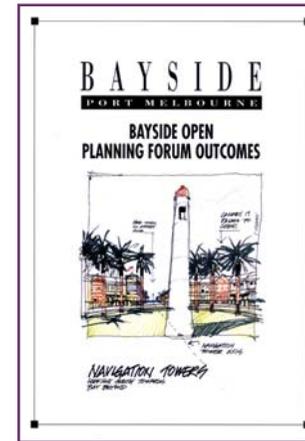
Key to integrative high quality outcomes

Creates positive vision of development

Collaboratively resolves technical issues

Engages with community stakeholders

Enables the vision to be maintained over time



Moving towards better Urban Sustainability and lower Carbon Developments

Need regional-scale design-based urban structure plans for the most sustainable outcomes

Perth NW Corridor, Western Sydney Growth Centres, LN



Infill intensification and regeneration better than new extensions, especially when linked to public transport

Subi-centro, Kogarah, Wynnum TOD

At town/neighbourhood scale NU creates denser, more walkable, more transit-friendly, more mixed use places

Tullimbar, Wellard, Somerly, Brighton, Harvest Lakes



Need strong emphasis on making great town centres, both new and as mall retrofits

Rouse Hill, Shellharbour, Point Cook



Ensure that green/blue 'sustainability' is balanced against good urban structure, to the benefit of both



Effective ratings of Urban Development Sustainability

Project Checklist

Smart Location & Linkage 30 Possible Points

Prereq	Smart Location	Required
Prereq 1	Smart Location	Required
Prereq 2	Proximity to Water and Wastewater Infrastructure	Required
Prereq 3	Impaired Species and Ecological Communities	Required
Prereq 4	Wetland and Water Body Conservation	Required
Prereq 5	Agricultural Land Conservation	Required
Prereq 6	Floodplain Avoidance	Required
Credit 1	Brownfield Redevelopment	2
Credit 2	High Priority Brownfields Redevelopment	1
Credit 3	Preferred Locations	2-10
Credit 4	Reduced Automobile Dependence	1-4
Credit 5	Bicycle Network	1
Credit 6	Housing and Jobs Proximity	3
Credit 7	School Proximity	1
Credit 8	Steep Slope Protection	1
Credit 9	Site Design for Habitat or Wetlands Conservation	1
Credit 10	Restoration of Habitat or Wetlands	1
Credit 11	Conservation Management of Habitat or Wetlands	1

Neighborhood Pattern & Design 39 Possible Points

Prereq	Open Community	Required
Prereq 1	Open Community	Required
Prereq 2	Compact Development	Required
Credit 1	Compact Development	1-7
Credit 2	Diversity of Uses	1-4
Credit 3	Diversity of Housing Types	1-3
Credit 4	Affordable Rental Housing	1-2
Credit 5	Affordable For-Sale Housing	1-2
Credit 6	Reduced Parking Footprint	2
Credit 7	Walkable Streets	4-8
Credit 8	Street Network	1-2
Credit 9	Transit Facilities	1
Credit 10	Transportation Demand Management	2
Credit 11	Access to Surrounding Vicinity	1
Credit 12	Access to Public Spaces	1
Credit 13	Access to Active Public Spaces	1
Credit 14	Universal Accessibility	1
Credit 15	Community Outreach and Involvement	1
Credit 16	Local Food Production	1

Green Construction & Technology 31 Possible Points

Prereq	Construction Activity Pollution Prevention	Required
Prereq 1	Construction Activity Pollution Prevention	Required
Credit 1	Certified Green Buildings	1-3
Credit 2	Energy Efficiency in Buildings	1-3
Credit 3	Reduced Water Use	1-3
Credit 4	Building Reuse and Adaptive Reuse	1-2
Credit 5	Reuse of Historic Buildings	1
Credit 6	Minimize Site Disturbance through Site Design	1
Credit 7	Minimize Site Disturbance during Construction	1
Credit 8	Contaminant Reduction in Brownfields Remediation	1
Credit 9	Stormwater Management	1-3
Credit 10	Heat Island Reduction	1
Credit 11	Solar Orientation	1
Credit 12	On-Site Energy Generation	1
Credit 13	On-Site Renewable Energy Sources	1
Credit 14	District Heating and Cooling	1
Credit 15	Infrastructure Energy Efficiency	1
Credit 16	Wastewater Management	1
Credit 17	Recycled Content in Infrastructure	1
Credit 18	Construction Waste Management	1
Credit 19	Comprehensive Waste Management	1
Credit 20	Light Pollution Reduction	1

Innovation & Design Process 6 Possible Points

Credit 1	Innovation in Design	1-5
Credit 2	LEED Accredited Professional	1

Project Totals 106 Possible Points

Certification Levels:

Certified 40-49 points
 Silver 50-59 points
 Gold 60-79 points
 Platinum 80-106 points

CNU has partnered with USA Green Building Council to develop LEED-ND

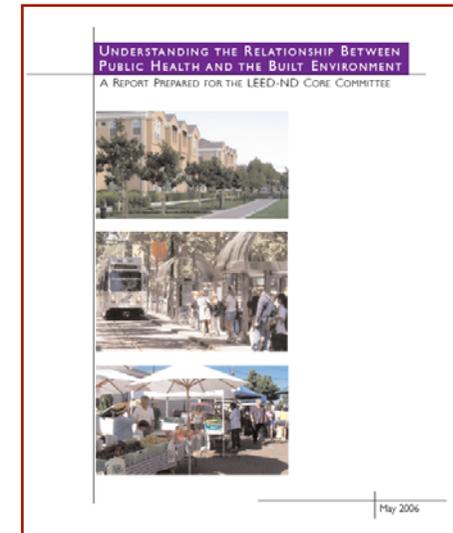
Pilot rating system now released

Pilot testing phase just commencing

Strong emphasis on location.... favours infill sites over greenfields

Strong emphasis on design for physical activity and health

LN has been a useful reference





Further Information on New Urbanism



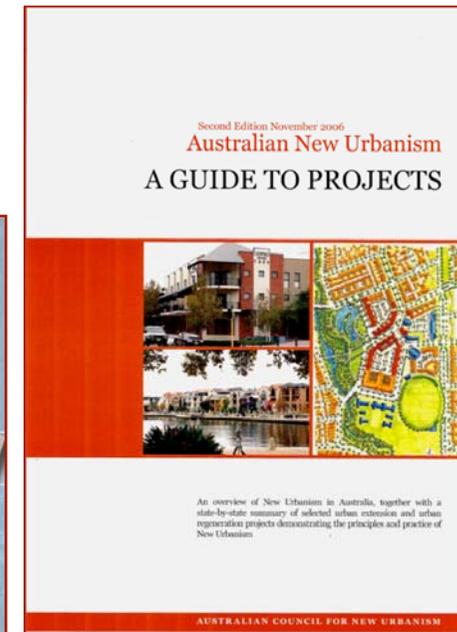
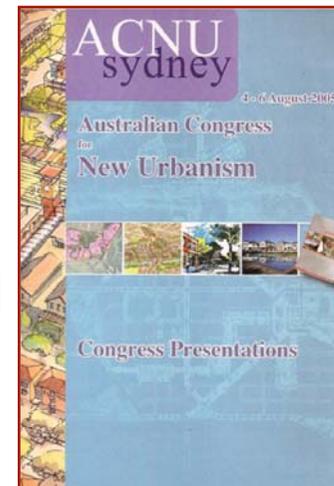
Australian Council for New Urbanism

- www.acnu.org
- acnu@netspace.net.au
- ACNU Congress 2005 CD packs
- Australian New Urbanism - a Guide to Projects Ed 2
- Next ACNU Congress scheduled for 2010 in Adelaide
- ACNU Projects Tour USA proposed for June 2009 and linked to CNU Congress in Denver

Sponsors

The preparation and production of this second edition of Australian New Urbanism - A Guide to Projects, has been made possible by the generous contribution of the following New Urbanist design practitioners

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 <p>GILES TRIBE ARCHITECTS ARCHITECTS & URBAN PLANNERS 17-19 Alberta Street Sydney NSW 2000 PH [02] 9264 5005 Fax [02] 9264 9908 Email gta@giestribe.com.au www.giestribe.com.au</p>	 <p>JOHN MONGARD ARCHITECTS 89 Grey Street South Brisbane QLD 4101 PH [07] 3844 1822 Fax [07] 3844 3250 Email mail@mongard.com.au www.mongard.com.au</p>





Congress For The New Urbanism (CNU)

- A global organisation for New Urbanist practitioners and supporters
- Began in 1993 and based in the USA
- Holds annual congresses - CNU XIV is in June 2006 in Providence, Rhode Island
- There have been active Australian and New Zealand members since the outset...
- The Australian delegation to the Congress each year is usually the largest of any country outside the USA
- www.cnu.org



Charter Of The New Urbanism

- **First adopted by CNU Members in 1996**
- **Available on the CNU website, www.cnu.org**
- **Statement of 27 principles for urban qualities at the scales of the Region, the Neighbourhood, the Street and the Building**
- **The book *'Charter of the New Urbanism'*, CNU, 2000, explains each of the principles**
- **The Charter is also reprinted in the ACNU Projects Book**



Other Key Sources

Website links to most North American New Urbanist Projects, listed on a state-by-state basis

www.tndtownpaper.com/neighborhoods.htm

New Urban News - a bimonthly publication on New Urbanism, mainly in the USA

www.newurbannews.com