

A NEGOTIATOR'S TOOL: AN AFFORDABLE HOUSING CALCULATOR FOR PLANNERS

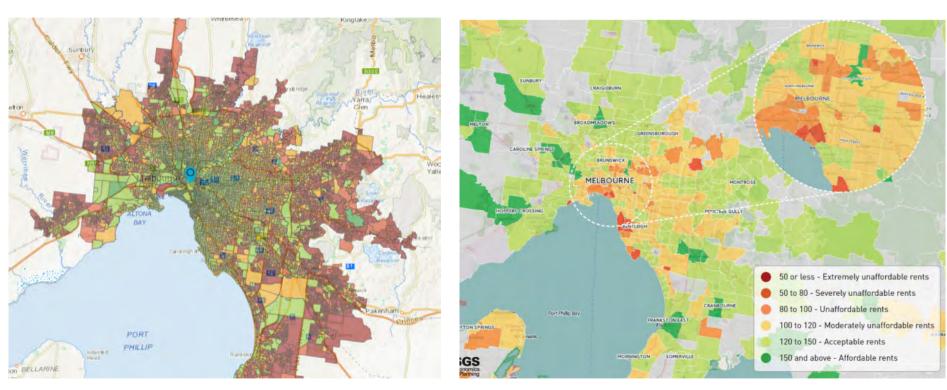
European Real Estate Society Conference, July 3 – 6th 2019, Cergy-Pontoise, France

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AGENDA

- 1. Brief introduction to affordability challenges in Australia/ Victoria/ Melbourne
- 2. Definition of affordable and social housing
- 3. Multiple mechanisms for affordable housing delivery
- 4. Developer-led affordable housing
- 5. Research Approach
- 5. Using the Affordable Housing Calculator

HOUSING AFFORDABILITY CONTEXT: SPATIAL

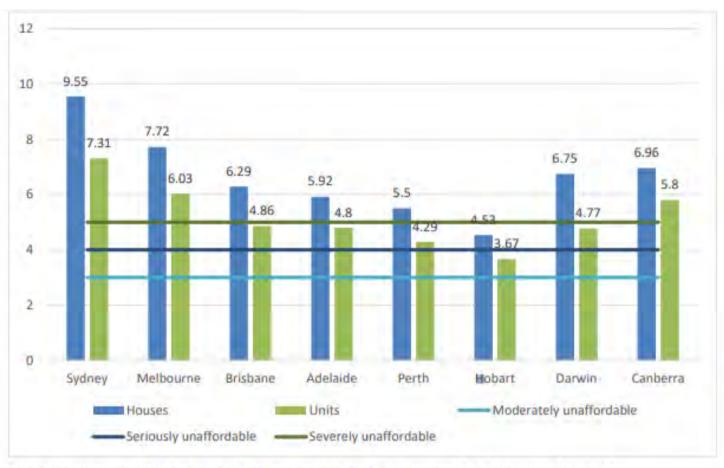


Vulnerability Assessment for Mortgage, Petroleum and Inflation Risks and Expenditure (VAMPIRE) (Dodson & Sipe 2008)

SGS Economics and Planning Rental Affordability Index (SGS Economics and Planning, 2018)

I Stopped Eating Smashed Avocado And Now I Own A Castle



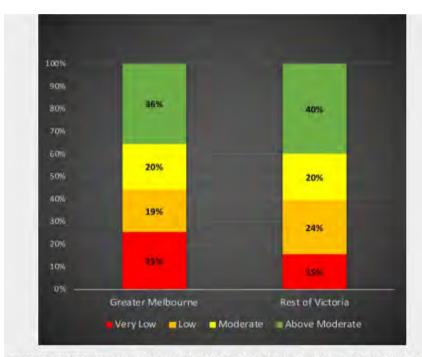


Source: HIA Economics (2016) Dwelling Prices: What's the current state of play? Campbell, HIA Economics, August, p. 8.

CHANGING AFFORDABILITY

Median dwelling costs are now 7.1 times the median household income (up 4.7 times from 2001)

HOUSING AFFORDABILITY CONTEXT: TENURE



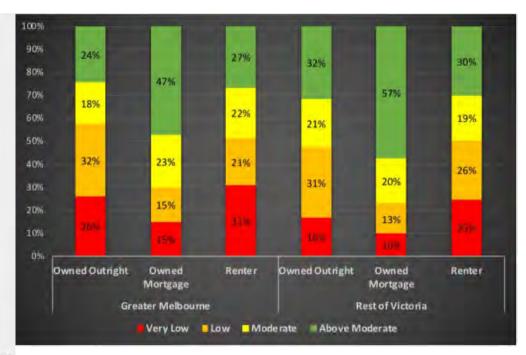
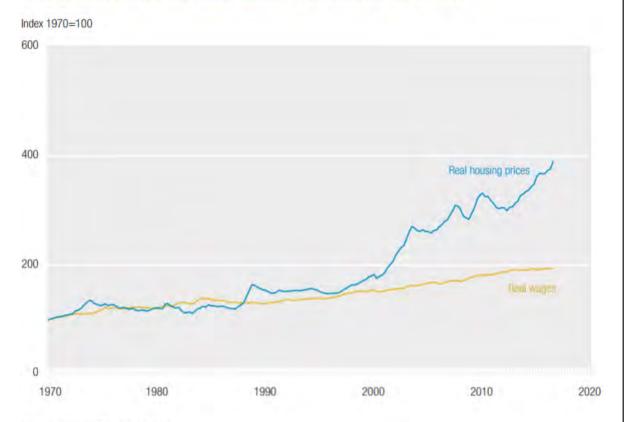


FIGURE 1: INCOME DISTRIBUTION OF ALL HOUSEHOLDS USING PLANNING ACT INCOME BANDS

(Palm & Raynor, 2018)

REAL HOUSING PRICE AND WAGE INDEXES: AUSTRALIA, 1970-2016



Source: Treasury, ABS; CPI adjusted.

REASONS FOR LACK OF AFFORDABILITY

Demand has out-stripped supply

Deregulation of the financial sector in 1980s and low inflation and low interest rates in early 1990s

Long-run economic growth during the 1990s based on the mining boom

Tax incentives like negative gearing and Capital Gains Tax create incentives to invest in property

Increases in quality of housing

Planning regulation

Decreased household sizes

Oligopoly of developers

Loss of social housing

Political imperatives

Shift from 'use value' to 'exchange value'

No multifamily asset class

SOME DEFINITIONS



Affordable housing: Housing that is appropriate for the needs of a range of very low to moderate income households, and priced so these households are able to meet their other essential basic living costs.



Housing Affordability: A aggregated measurement, usually expressed as the ratio of housing costs to gross household income







Public Housing: Housing owned and managed by the State and provided to eligible disadvantaged Victorians

Community Housing: Housing owned or managed by community housing agencies for low income people, including those eligible for public housing. Community housing agencies are regulated by the Government.







Direct Government Provision
Prevalent in the 1960s

le. Flemington Estate, Carlton Estate



Public-Private Renewal Projects
Prevalent in 2000s and now

le. Kensington Estate



Community Housing Provider-Driven
Prevalent now

le. Abbotsford Demonstration Project

MULTIPLE MECHANISMS FOR AFFORDABLE HOUSING DELIVERY

- Direct government provision
- Public-private renewal projects
- Community Housing Provider-driven

INCLUSIONARY ZONING **OR** VOLUNTARY AFFORDABLE HOUSING

Inclusionary zoning is a land use planning intervention by government that either mandates or creates incentives so that a proportion of a residential development includes a number of affordable housing dwellings.

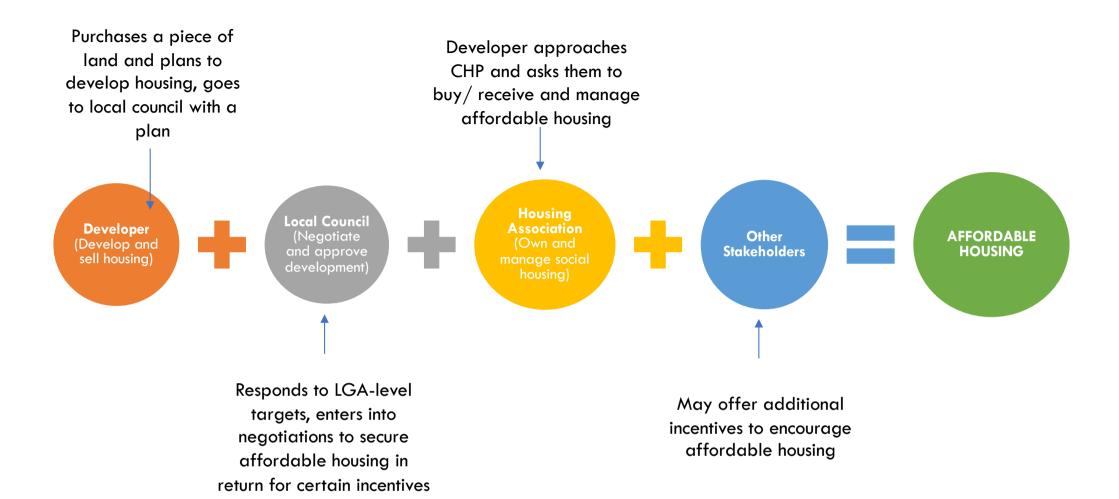


VOLUNTARY AFFORDABLE HOUSING NEGOTIATIONS

Three changes made to the Planning and Environment Act 1987

- 1. Affordable housing became an objective within urban planning
- 2. The State Government defined affordable housing and provided income limits for households in Very Low, Low and Moderate Income brackets
- 3. The Act now allows for affordable housing to be negotiated through 'Section 173' agreements





THE NEGOTIATION DEVELOPMENT PROCESS

The new landscape in Victoria

Motiv	vations	Mechanisms	Barriers	
Developer	Develop housing/ other land uses Generate a profit Manage risk Manage public image and contribute social outcomes	 Section 173 Agreement negotiations Choose to enter negotiations or not Negotiate dwellings, land or money Negotiate number, size, location, affordability level etc Negotiate incentives 	 Lack of understanding of affordable housing Risk of stigma for other units Risk of greater housing complexity or reduced profit Lack of relationship with a housing association 	

Local
Council
(Negotiate and
approve
development)

Motivations

Meet affordability goals
Respond to State legislation
Manage community
expectations
Balance with other obligations

- Section 173 Agreement
- Car park waiver
- Expedited planning process
- Rate Reimbursement
- [Density Bonus]
- [Land gifting/leasing]

Lack of in-house capacity

- Lack of political will

- Small incentives

Barriers

- Difficult to enforce / monitor

Housing
Association
(managers
and owners)

Provide housing and services for target tenants
Viable business model
Expand portfolio and attract long-term funding
Strategic decisions about location, number and type of housing

 Purchasing/ receiving dwellings through negotiations

Receiving funds through negotiations

- Lack of debt or equity to purchase units at market or at discounted rates
- Ongoing operating costs of units (Body corporate, tenancy management, finance, maintenance)
- Lack of internal capacity (skills or resources)

KEY STAKEHOLDERS

OTHER STAKEHOLDERS



Federal Government

National Housing Finance and Investment Corporation

State Government

Philanthropy and Social Impact Investors

- Commonwealth Rental Assistance
- Access to land
- Cheaper access to finance
- Capital Grants like Social Housing Growth Fund
- Access to land
- Debt and Equity at concessionary rates
- Capital Grants

Other Stakeholders



Affordable Housing Negotiations Calculator



The Affordable Housing Calculator is an educational tool designed to model the likely impact of various incentives and affordable housing contributions on residential project feasibility.

Conceptual Theory & Model - Calculator Development

Turner approach as the base model

Adapted to incorporate Affordable housing requirements and incentives

Creation of the calculator



Piloting with industry and other stakeholders

Focus Group 1 - Developers and AH providers

Focus Group 2 - Councils, government and developers



Validation

Model testing using worked case studies

Application of various scenarios

Stress-testing of calculator



Online Calculator

Education program

Tracking of users

Follow up of calculator use and practical application

THE TURNER APPROACH TO FEASIBILITY

'A 'feasibility study' is defined as the process of undertaking an assessment to identify the opportunities and risks of a property development project and to estimate the projected costs, revenues and profit potential of the project'

(Australian Property Institute, 2018, sec. 11.5)

$$V = L + B + F + P$$

 $P = V - (L+B+F)$

V= Value of the project on completion

L = Land costs and expenses associated with acquiring land

B = Costs and expenses associated with construction

F = Financing costs

P= Developer's Profit



Gross Realisation	24 Apartments @ \$500,000		\$12,000,000
Less	Agents commission	\$360,000	
	Legal on sales	\$120,000	\$480,000
Net Realisation			\$11,520,000
Less			
Project Costs			
	Construction costs	\$6,000,000	
	Consultants	\$300,000	
	Contingency	\$180,000	
		\$6,480,000	
	Interest on Construction @ 9 %	\$437,400	
	Total Construction costs	\$6,917,400	
	Land purchase	\$2,000,000	
	Transfer costs	\$100,000	
	Council rates and Land Tax	\$150,000	
	Interest on Land @9%	\$405,000	
	Total Land costs	\$2,665,000	
Total Project costs			\$9,572,400
Indicated Profit			\$1,947,600
			·
Allowance for Profit and Risl	(on costs)		20%

STATIC FEASIBILITY

Turner Approach

FEASIBILITY WITH AFFORDABLE HOUSING

Developer Affordable Housing Contribution of 20%

Incentives:

Carpark reduction
Council rates and Land Tax
waivers
Reduced planning time
Land incentives
Affordable housing subsidy

Gross Realisation	21 Apartments @ \$500,000		\$10,500,000
	10% Density Bonus = 27 Apartments Affordable Housing Contribution @ 20% = 6		
Lon	apartments	¢215.000	
Less	Agents commission	\$315,000	¢ 400 000
N . D . P . P	Legal on sales	\$105,000	\$420,000
Net Realisation			\$10,080,000
Less			
Project Costs		* / = - 0 0 0 0	
	Construction costs - increase	\$6,750,000	
	Carpark Reduction (50%) of Costs	\$270,000	
	Consultants	\$3375000	
	Contingency	\$202,500	
	_	\$7,020,000	
	Interest on Construction @ 9 %	\$368,550	
	Total Construction costs	\$6,91 <i>7</i> ,400	
	Land purchase	\$2,000,000	
	Transfer costs	\$100,000	
	Council rates and Land Tax Waivers	\$0	
	Interest on Land @9% Reduced planning time	\$405,000	
	Total Land costs	\$2,665,000	
	Land Incentive	\$1,000,000	
Total Project costs			\$8,803,550
	Affordable Housing Subsidy \$80,000/unit	\$480,000	
Indicated Profit			\$1,756,450
Allowance for Profit a	nd Risk (on costs)		20%



THE CALCULATOR ONLINE

Specific to Metropolitan Melbourne

NEXT STEPS

- Analyse usage and application of the model in practice
- Survey of users in Melbourne
- Training programs for planners and developers
- Tracking of negotiations failed and successful
- Identify opportunities for improvement
- Create a rental model
- Consideration of time value of money



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