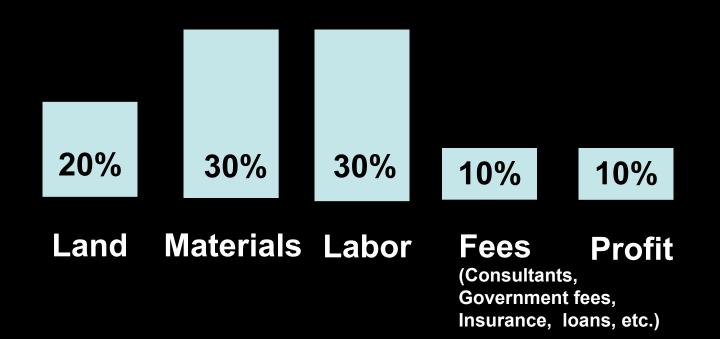
# **Cozy by Design** Communities for the 21<sup>st</sup> Century

Presentation in Raleigh, North carolina April, 2014

# **Development Costs**



# What exactly is **Coziness**?

Example: 20 *family* dwellings

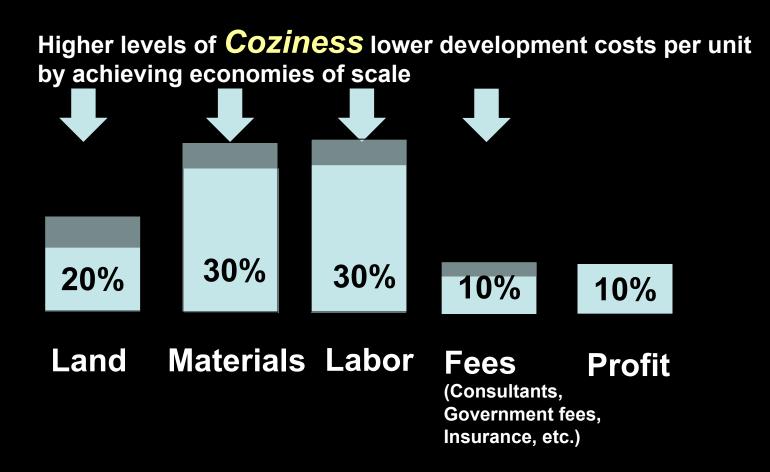
- Dwelling Units/acre 20 Kitchens/acre
- Bedrooms/acre 50 bedrooms/acre (assume 2.5 brms/d.u.)
- People/acre (assumes 1.75 people/ brm)
   88 people/acre (assumes 1.75 people/

Extrapolate to City-Wide (assumes about 30% of project density)

- People/acre
  26 people/acre
- People/sq. mile 26 people X 640 acres/sq mi = 16,640

## San Francisco

## **Development Costs and Coziness**





Amsterdam

,200/sq mi











**Coziness** and Cultural Adaptation





Chicago 12,400/ sq mi San Francisco 16,000/ sq mi

(Mumbai slums, at 1 and 2 stories)

Brooklyn 26,000/ sq mi Manhattan 67,000/ sq mi

12,200/ sq mi







Salt Lake City

1640/ sq mi



Phoenix 2,700/ sq mi



Denver 3,250/ sq mi

# Benefits of Higher Levels of Coziness

- Reduces costs of land and land development per unit
- Reduces all other development costs per unit
- Improves the financial feasibility of public transit
- Improves the viability of local retail
- Increases social connections, participation in local institutions
- Increases and enriches cultural life
- Decreases automobile dependence, air pollution; increases walkability and healthier lifestyle

## Possible Negatives of Higher Levels of Cozin

- Increases value of real estate, causing displacement
- New people to a neighborhood may be insensitive to its history
- Increases load on local schools
- May increase traffic and demand for parking, depending on land use distribution
- Increases demand for services

# 5 Ways to change attitudes to accept more Cozy Communities

- 1. Participatory Design: involve neighbors and potential buyers/renters in earliest stages
- 2. Collaborative Design: involve planning and other agencies as participants or observers
- **3.** *Fitting the Context*: understand the local history, culture and latest local available technologies
- **4.** *Personalization:* Provide opportunities for residents' self-expression and change
- Sustainability: understand local climate and economy to save energy, water, land, material resources; mixed use and transit-related

# Participatory Design Collaborative Design



#### **Community Participation in Planning and Design**

Neighbors can be organized by the developers and their architects into work teams using modeling kits to explore site plan options, home designs and stylistic preferences. In the process, neighbors become educated about how to design for higher levels of coziness without losing the character of their neighborhood.





#### Design workshops with neighbors

Resulting levels of coziness acceptable to neighbors have sometimes been as much as two-three the existing neighborhood after the neighbors have a chance to study their options with modeling kits











Meeting Boom Typ. Two Bedroom Hom

# 3. Fitting In





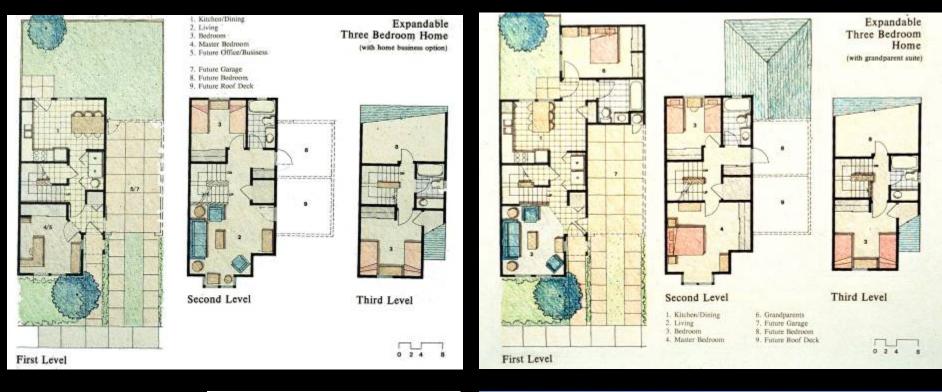
Street edge

Auto courts

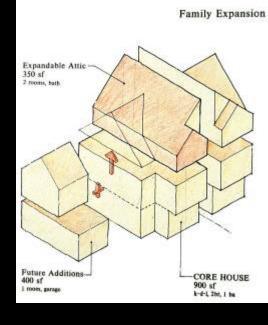


**Comfortable Coziness:** Lower massing in the front, higher Massing in the rear along the interior auto courts; use compatible styles

22/acre; 100 people/acre



Expandable, Live-Work, In-Laws







Unit A1

**Building 2** 



Double-height front rooms can be used as living rooms or businesses. Front patio walls provide privacy and sound protection, but large windows in the patio walls allow them to be used as show windows for businesses.





Third Floor

Unit A

Temescal Terrace

Second Floor

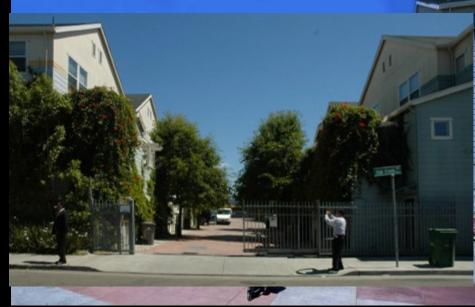




San Pablo Ave.

Live-Work: Re-Populating Formerly Commercial Boulevard 35/acre; 130 people/acre



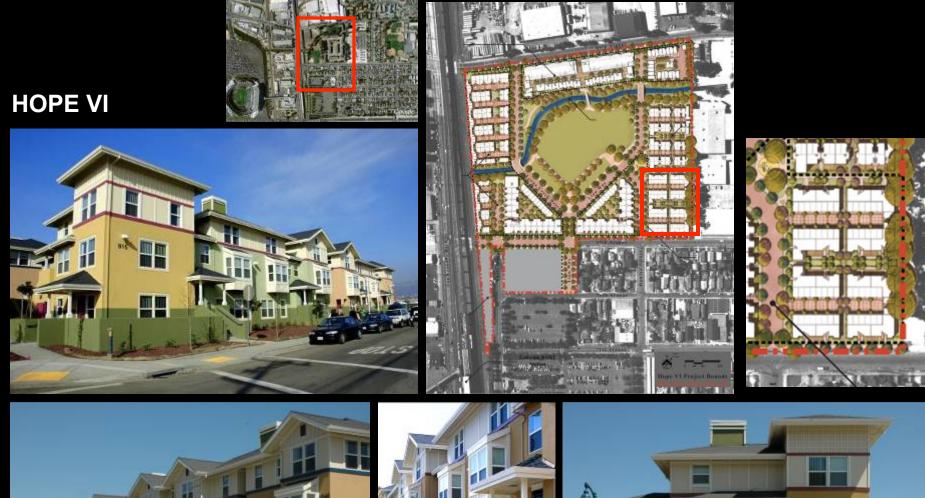




Front Business / Rear Residential



Behind the storefronts, families use the autocourt for social gatherings and play areas.









#### **Auto + Pedestrian Courts**

**35**/acre; 145 people/acre <sup>1auto/unit</sup>



**Pedestrian Courts** 



#### Auto Courts

1.5 BER

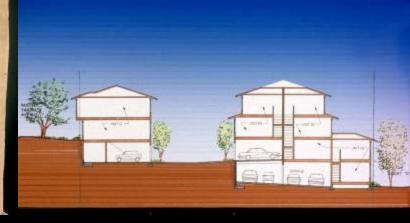


THE REAL PROPERTY OF

6830







Hillside Townhomes 40/acre; 150 people/acre











**Downhill Townhomes: Group Garages** 



















Live-Work on the boulevard

**40**/acre 150 people/acre











Senior Housing as 'Grand Hotel'







**40**/acre 60 people/acre







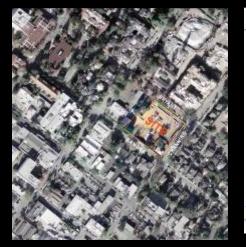


An Apartment Building as a 'Lodge'





**40**/acre 55 people/acre







## Family Infill Underground Parking

Porches with stoops rise to the lid above the parking garage.



185 people/acre



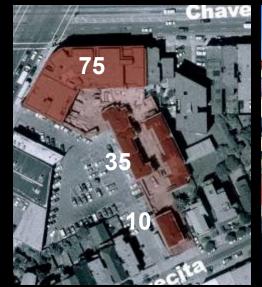
















Mixed Use: Housing above adult education and child care 75/acre on two boulevards with six bus lines:

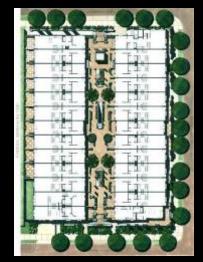








## Family Village: behind the boulevard building











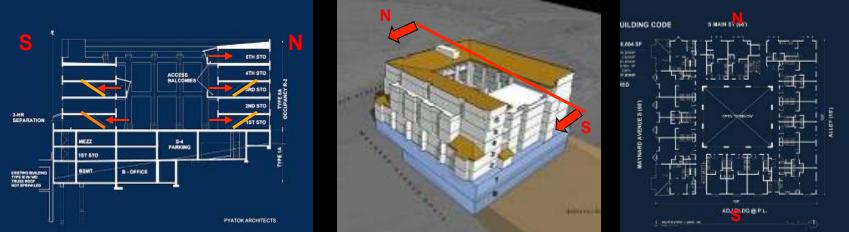
92 Downtown Lofts/Apartments 135/acre (TYPE V, Wood Frame); 200 people/acre



28'-wide, 50'-tall court provides ample space, light and shade for the residents.







51 Rental Apartments (36 townhomes, 15 flats on 1/3 acre) **150** Units/Acre; **500** people/



## 4. Personalization







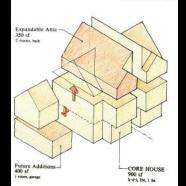








Family Expansion





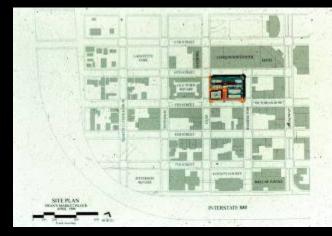






## 5.Sustainable

- Compact
- Mixed-use
- Transit-related
- Climate, energy, water
- Materials









Mixed Use, Transit related 20 market rate co-housing, 20 rental for very low incomes 40,000 sf of retail, commercial, educational, cultural uses 100 years old: vacant since 1980—restored by a non-profit corporation

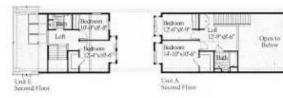


Market Hall, street cafes, affordable housing, convenience store, commercial space, plaza



Cultural activities, farmer's market, co-housing, children's art institute















Conversion of former market hall into co-housing

## Downtown Affordable Family Housing

100/acre; 350 people/acre





















### **Transit-Related Rental**

Phoenix 30-120 AMI 100 units/acre

375 people/acre

















#### Individualism



"Each man is forever thrown back on himself alone, and there is a danger that he may be shut up in the solitude of his own heart."

## Alexis de Tocqueville, 1840s

#### Communalism



"Americans of all ages, all conditions, and all dispositions constantly form associations ...commercial and manufacturing associations... associations of a thousand other kinds-- religious, moral, serious, futile, general or restricted, enormous or diminutive. Wherever at the head of some new undertaking you see the government of France, or a man of rank in England, in the United States you will be sure to find an association"