

# Advantages of CarFree Treasure Island

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- What is carfree?
- Benefits to TICD
- Market risk
- How CarFree City, USA can help

## What is Carfree?

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- Highly restricted vehicle access to interior of the island
- Street/building layout designed for pedestrians
- Parking garage near entrance

Successful new carfree developments are appearing in Vienna, Freiburg, Amsterdam, Edinburgh, and London

## Benefits for TICD

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- Increased funding for transportation operations
- Increased buildable area
- Decreased parking garage costs
- Goodwill and political support
  - Global warming leadership
  - Support from City officials

## Operations funding for transportation program

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The problem:

$$\frac{\$30 \text{ million/yr operating costs}}{6,000 \text{ households}} = \$5,000 \text{ /yr/household}$$

**Sticker shock!**

## The carfree solution:

- Carfree households can afford higher public transportation expenses:
  - Lower car expenses
  - Location efficient mortgage
- Carfree design would attract tourists and boost ferry ridership

## CarFree Treasure Island

### A. Carfree household transportation savings:

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U.S. average household car costs: \$7,633 /yr

Estimated carfree household car costs: \$2,290 /yr

Annual carfree household savings: \$5,343 /yr

  
**Carfree savings  
approximately equal the cost  
of TI transportation program**

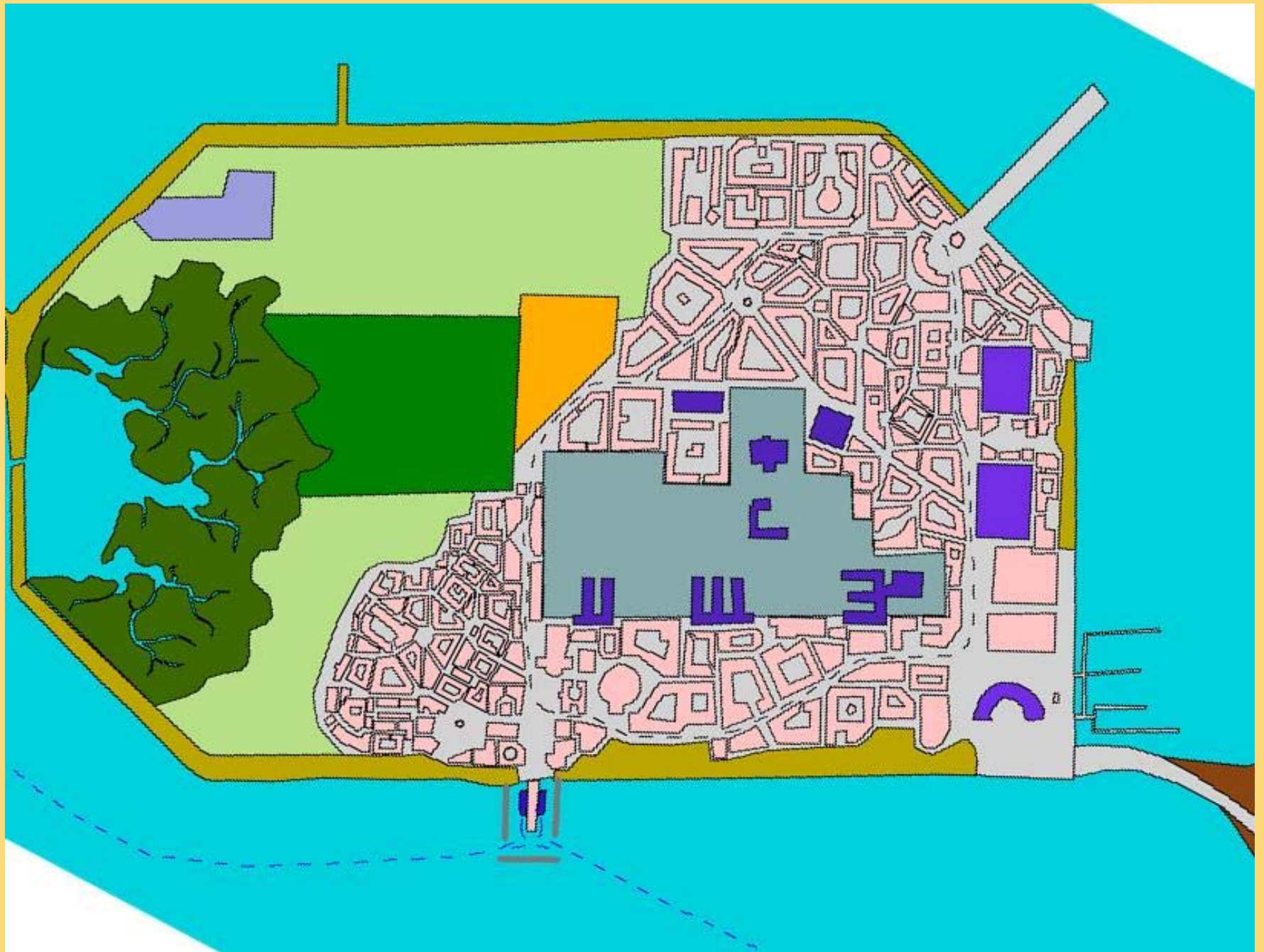
## Operations funding for transportation program

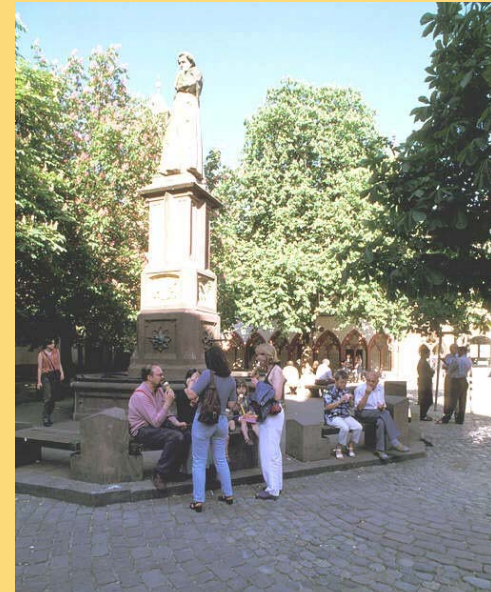
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### B. Attracting tourists boosts ferry ridership

A carfree design will make Treasure Island:

- Magical
- Beautiful
- Creative





# CarFree Treasure Island

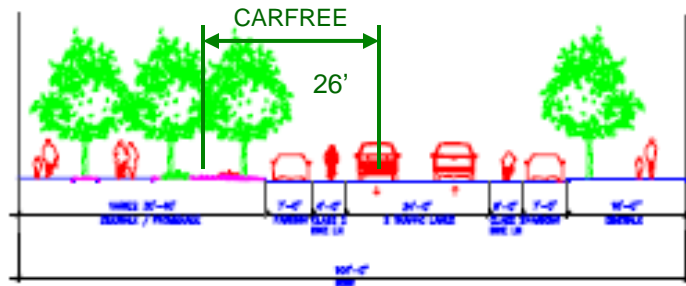
## Increased Buildable Area: Streets

TICD proposed streets: Seven types, occupying 61 acres

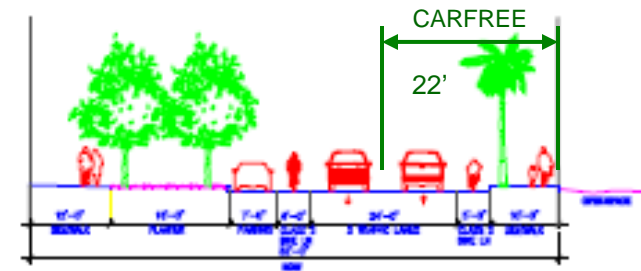


# CarFree Treasure Island

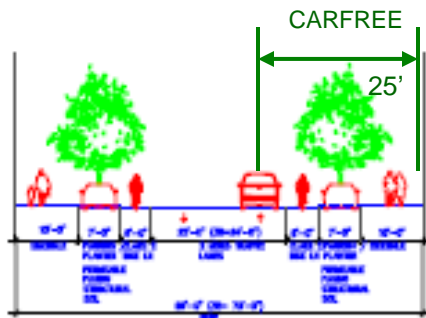
## Carfree streets can be much narrower



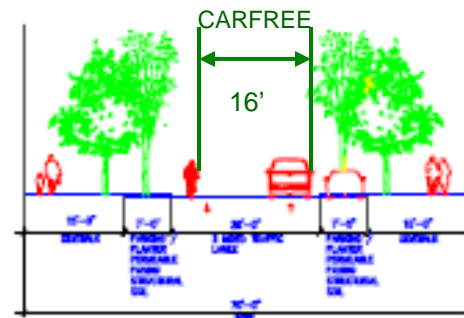
TYPE 1: CALIFORNIA AVENUE



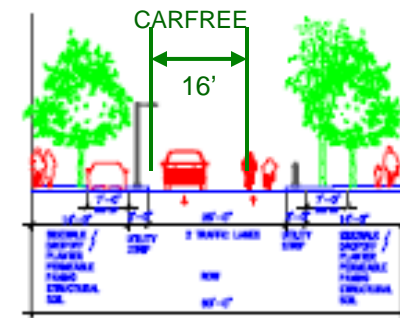
TYPE 2: CITYSIDE PARKWAY - SPRINZ STREET



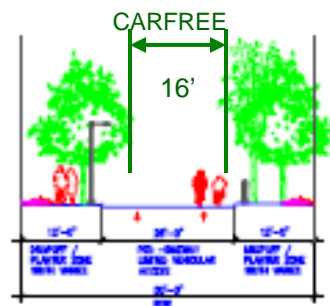
TYPE 3A: NEIGHBORHOOD CIRCULATION STREET (WITH BIKE LANE)



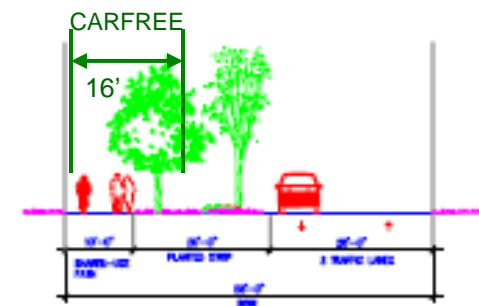
TYPE 4: NEIGHBORHOOD CIRCULATION STREET (REGULAR)



TYPE 5: NEIGHBORHOOD STREET

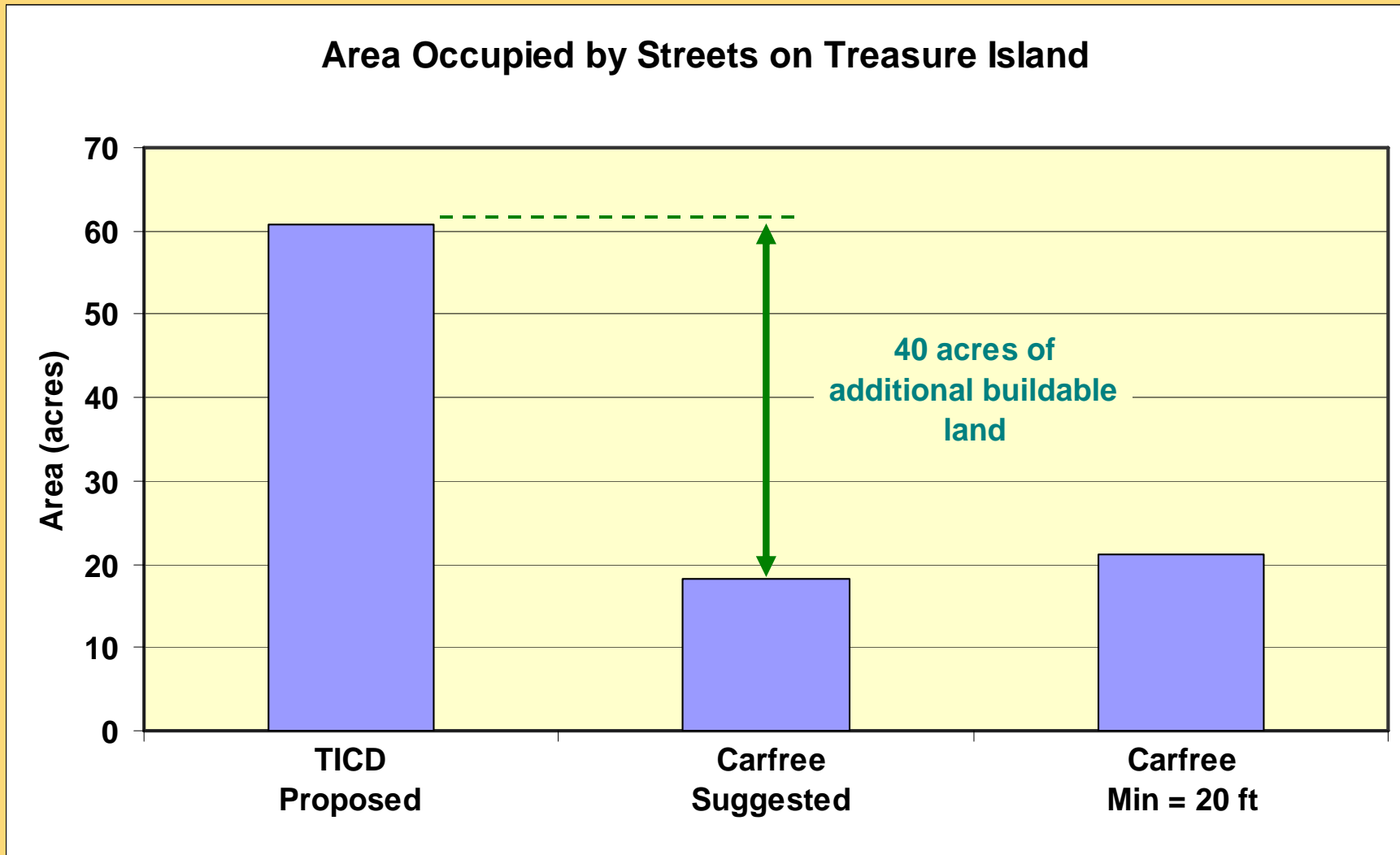


TYPE 6: NEIGHBORHOOD GREEN CONNECTOR (PRIMARILY PED & BIKE)



TYPE 7: EAST PARKWAY

# Narrower streets increase buildable area

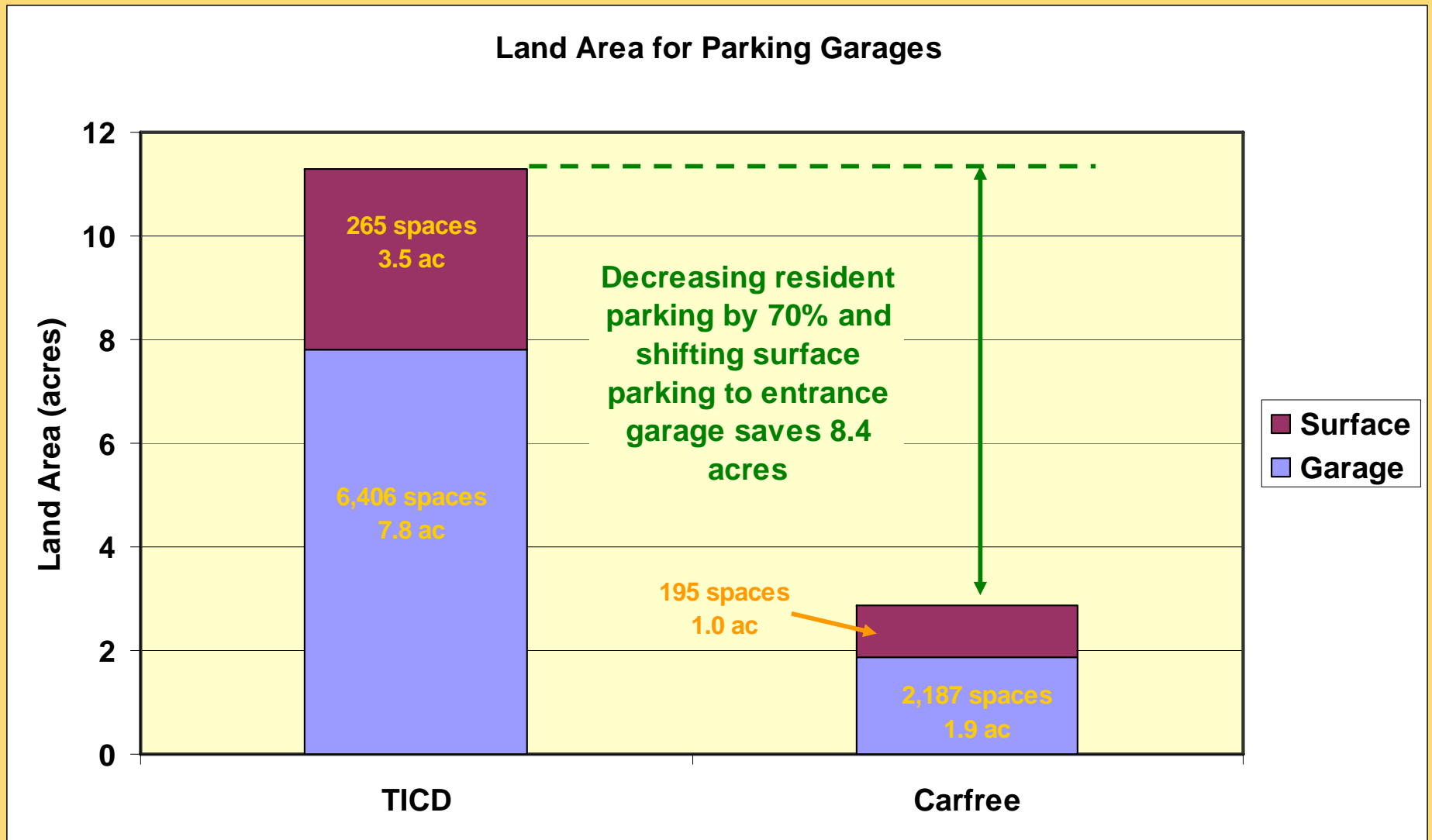


# Increased Buildable Area: Parking

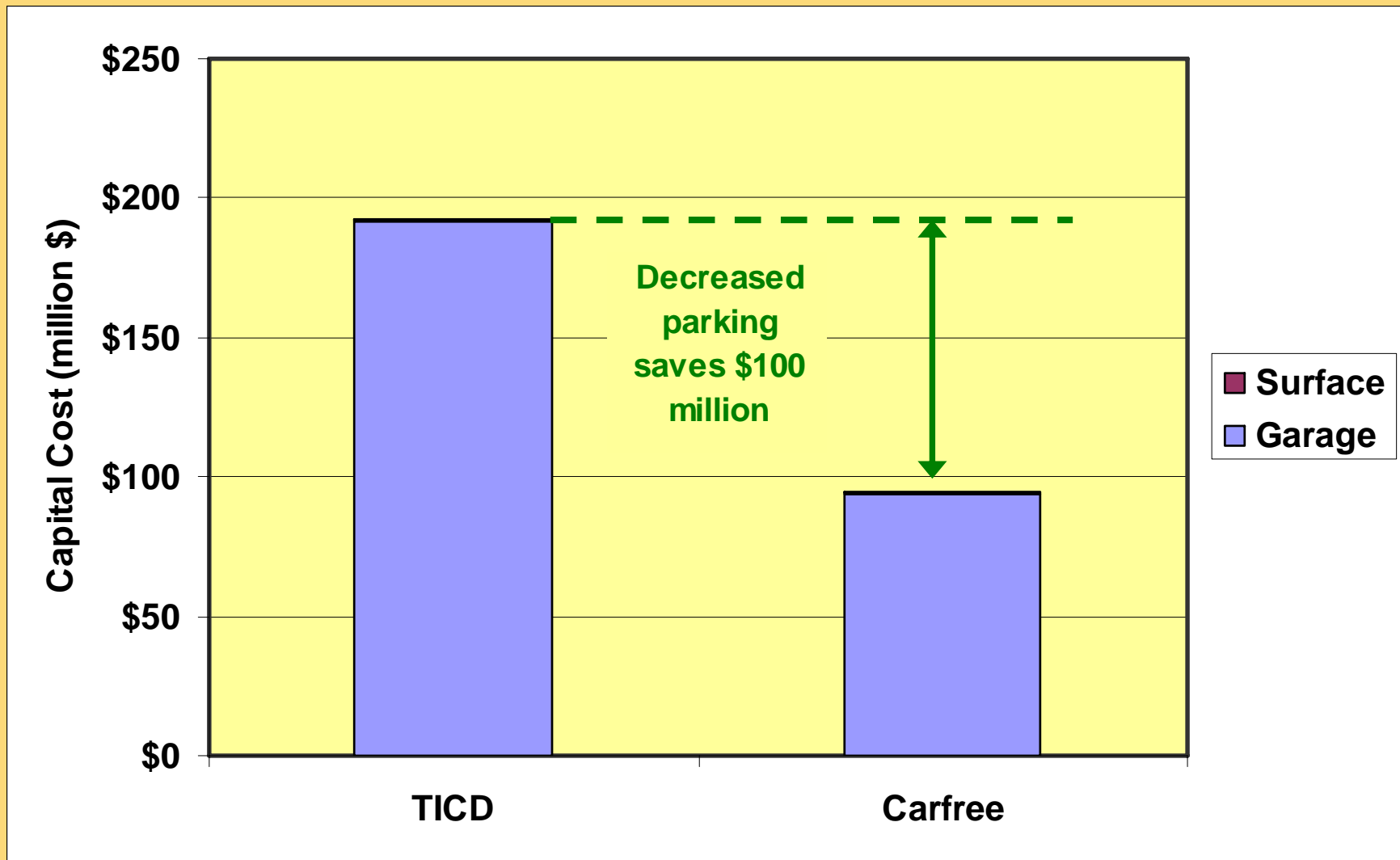
TICD proposed parking:



## Decreasing and consolidating parking increases buildable area



# Decreased parking capital costs

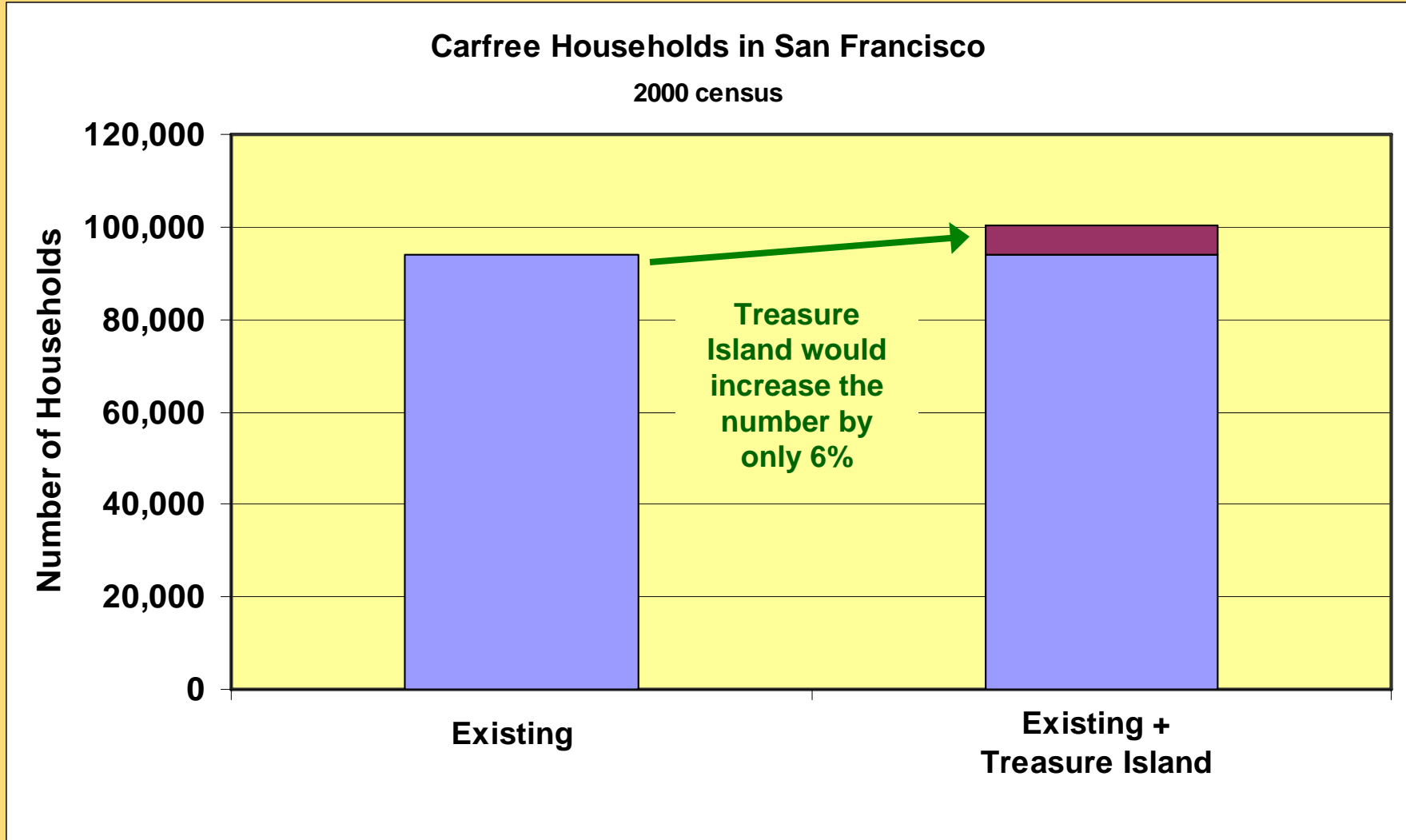


## Market Risk

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**How popular is carfree living,  
and who chooses it?**

# 29% of SF households are already carfree

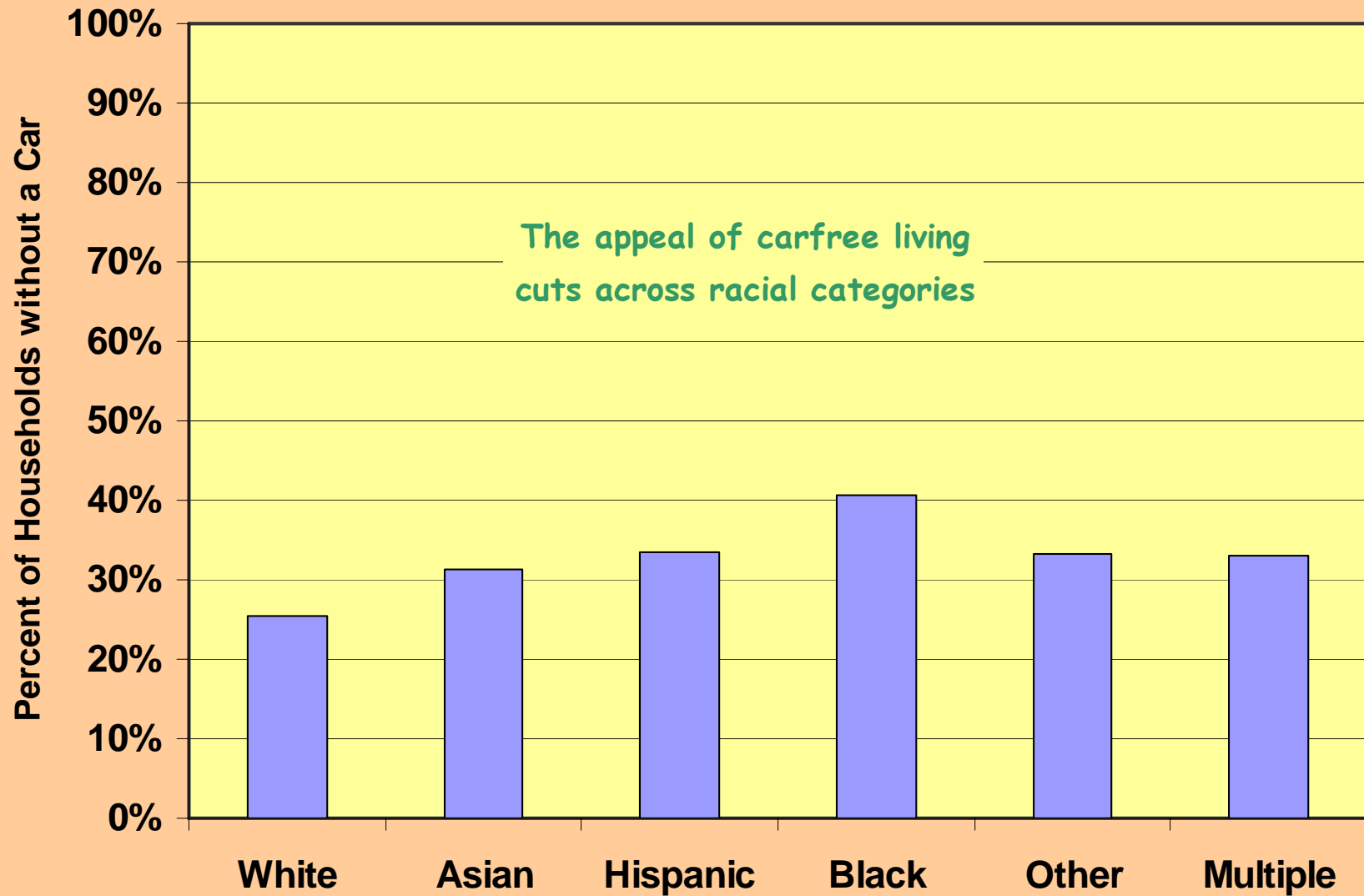


# CarFree Treasure Island

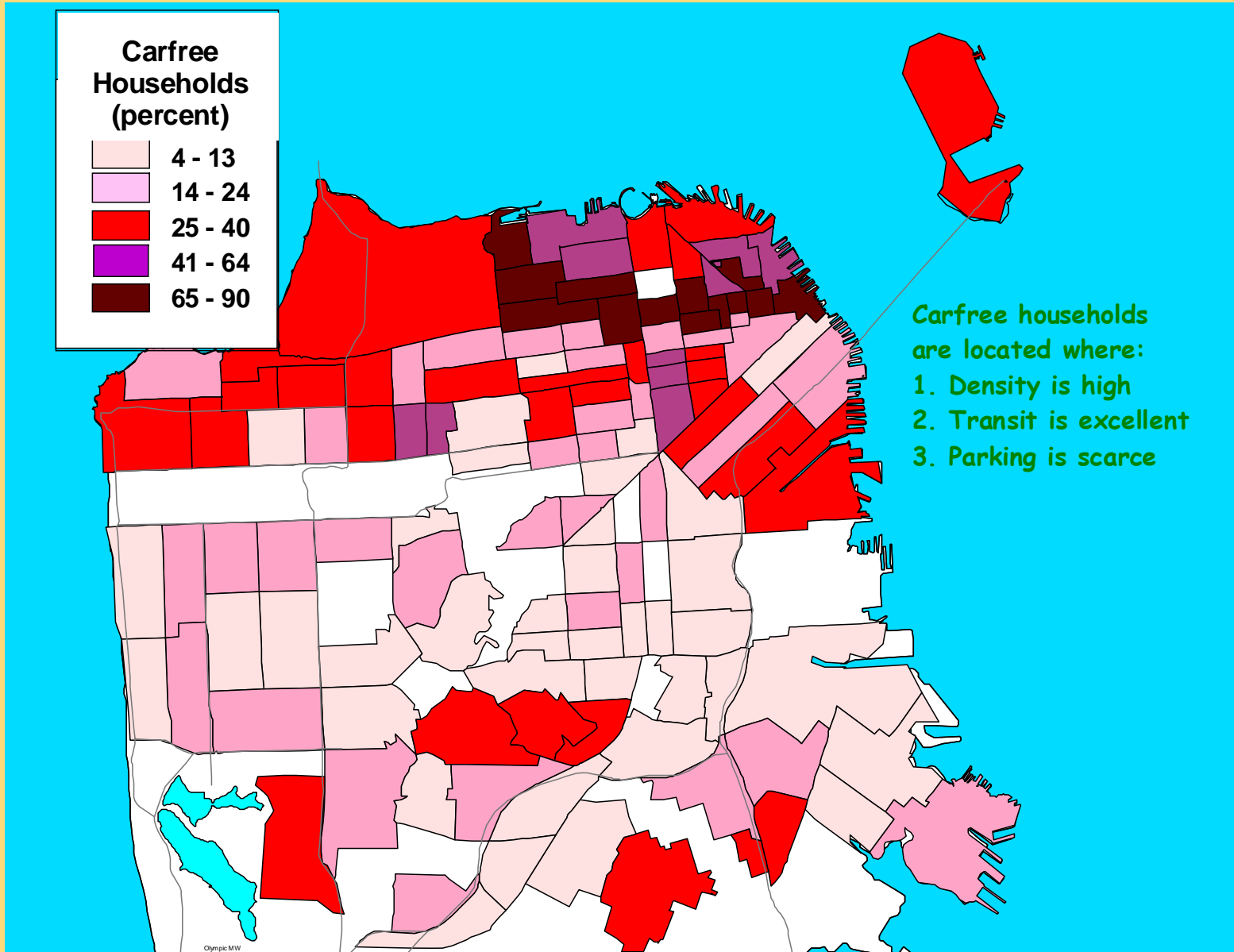
## San Francisco Carfree Households by Income



### San Francisco Carfree Households by Race



# San Francisco Carfree Households by Location



## Global Warming Leadership

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- WMS, Kenwood would be industry leaders in:
  - Pedestrian neighborhood development
  - Green building
  - Cutting-edge solutions to global warming
- Potential for greenhouse gas reduction credits
- Access to capital from investors seeking to address climate change

## Support from City of SF

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- Mayor Newsom and the Board of Supervisors
  - Decreased costs (car accidents, street maintenance, obesity, emergency services)
  - Increased tourism revenue
  - Reputation for environmental leadership
- Environmental and urban planning groups
- Air Quality Management District
- EIR authors and reviewers

## How CarFree City, USA can help

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- Provide carfree design information
- Elicit support from planning and enviro groups
- Seek CO<sub>2</sub> offset credits
- Interface with City electeds and staff on:
  - Parking requirements
  - Carfree zoning overlay
- Review of initial studies and EIR

CarFree Treasure Island

# Our Future



**Misc. slides start here**

# Motor Vehicles Access to Interior

Personal vehicles

**EXCLUDED**

Personal vehicles -- load/unload only

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Postal delivery

**Initial**

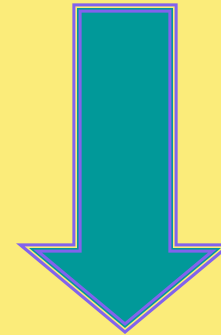
Courier/package delivery

Retail suppliers -- small delivery

Police car

Retail suppliers -- large delivery

**Eventual**



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Tradespeople with tools (plumbers, electricians, carpenters)

Garbage truck

Street sweeper

Ambulance

Moving van

Armored truck

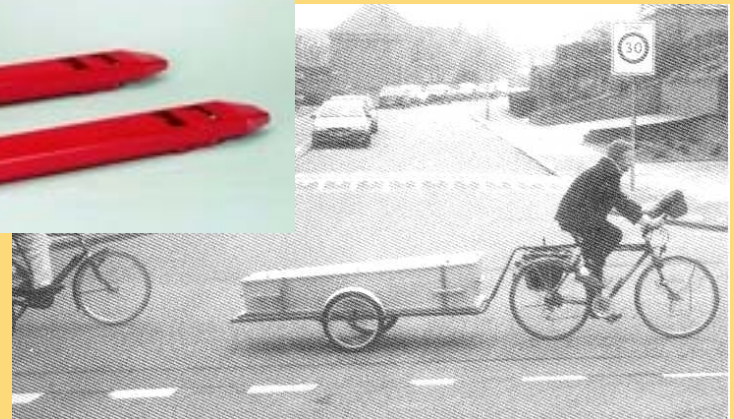
Fire engine

Construction equipment

**ALLOWED**

# CarFree Treasure Island

## Freight Delivery Vehicles



# Freight transfer example: Catalina Island

