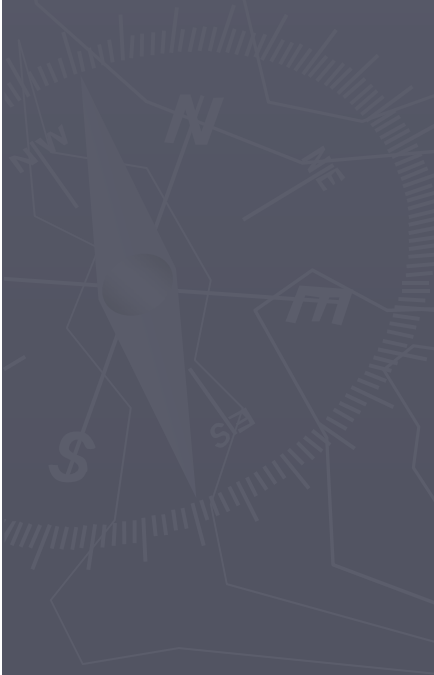


# Running UPlan: The First Time



# Directory Structure

## ▶ Folders

### ■ Data

- ▶ County (identified by FIPS code)
- ▶ Cluster

### ■ Ini

- ▶ Initialization Database
- ▶ Report\_Template.xls
- ▶ Services\_Template.xls

### ■ Runs

- ▶ Run Folders
  - R070618134839
  - "R" + YYMMHHmmssxx

# Data Loader: Variant

## ▶ Variants

- Allow for using different sets of land uses

## ▶ Configure Variant

- Let you customize the number and type of land uses

# Data Loader: Demographics

## ► Residential

- Default values should be set
- Base Population
- Final Population
- Persons Per Household
- HH distribution (by type)
- HH Footprint (by type)

## ► Employment

- Default values should be set
- Square Footages per Employee (by type)
- Floor Area Ratios (by type)

# Data Loader: Data Sets

## ▶ Spatial

- Model:
  - ▶ Boundary
  - ▶ SubAreas
  - ▶ Vacant Inner/Outer
  - ▶ TAZ
- General Plans
- Attractors
- Discouragers
- Masks

## ▶ Demographic: Defaults

- Residential
- Employment
- SubAreas

# Activity 1: Load Data: Model

- ▶ Add Model Elements
  - Boundary\*: cal\_bound\_g
  - DisplayUnit\*: Acres
  - CellSize\*: 50
  - TAZ: cal\_taz\_g
  - VacantInner: cal\_cpsoi\_g

# Activity 1: Load Data: Demographics

- ▶ Base Population: 40,890
- ▶ Future Population: 80,424
- ▶ Persons per Household: 2.44
- ▶ Employees per Household: 1.45
- ▶ Percent Vacant Inner: 20

# Activity 1: Load Data: Residential

- ▶ Residential High: 3.5% and 0.05 Acres
- ▶ Residential Medium: 18.5% and 0.25 Acres
- ▶ Residential Low: 66.3% and 5 Acres
- ▶ Residential Very Low: 11.7% and 20 Acres



# Activity 1: Load Data: Employment

## ▶ Industrial:

- 22%
- 500 sq. feet
- 0.23 FAR

## ▶ Commercial High:

- 8%
- 200 sq. feet
- 0.35 FAR

## ▶ Commercial Low:

- 60%
- 300 sq. feet
- 0.15 FAR

# Activity 1: Load Data: Attractors

- ▶ Blocks with Growth
- ▶ Highways
- ▶ Major Arterials
- ▶ Minor Arterials
- ▶ Community Plans and SOI
- ▶ Airport Special Planning Area

# Activity 1: Load Data: Discouragers

- ▶ Ag. Preserve
- ▶ Vernal Pools
- ▶ National Wetlands Inventory
- ▶ Timber Protection Zones
- ▶ Flood Plains
- ▶ Airport Special Planning Zone

# Activity 1: Load Data: Masks

- ▶ Currently Developed Land
- ▶ Lakes \*
- ▶ Rivers\_major\*
- ▶ Rivers\_minor\*
- ▶ Publicly Owned Land

# Activity 1: Load Data: General Plan and Slopes

- ▶ General Plan:

- cal\_gp\_g

- ▶ Slope

- cal\_slope

# Activity 1: Load Data: Base Layers

- ▶ County Boundary
- ▶ Roads
- ▶ Rivers
- ▶ Lakes
- ▶ Current Land Use
- ▶ Publicly Owned Land

# Activity 2: Running UPlan

- ▶ Select Variant
- ▶ Select Area
- ▶ Select Cell Size and Display Unit
- ▶ Enter Demographics
- ▶ Enter Residential
- ▶ Enter Employment

# Activity 2: Running UPlan: Attractors

## ▶ RH and RM:

- Blocks with Growth
- Highways
- Major Arterials
- Minor Arterials
- Community Plans and SOI

## ▶ RL

- Blocks with Growth
- Highways
- Major Arterials
- Community Plans and SOI

## ▶ Ind

- Highways
- Major Arterials
- Community Plans and SOI
- Airport

## ▶ CH and CL

- Blocks with Growth
- Highways
- Major Arterials
- Community Plans and SOI



# Attractor Values

## ▶ Blocks with growth

- 0 to 0: 30
- 0 to 1000: 10

## ▶ Community Plans and SOI

- 0 to 0: 60
- 0 to 500: 50
- 500 to 1000: 40
- 1000 to 3000: 30
- 3000 to 5000: 20

## ▶ Highways

- 0 to 50: 25
- 50 to 500: 20
- 500 to 1000: 15
- 1000 to 3000: 10
- 3000 to 5000: 5

## ▶ Major Arterials

- 0 to 50: 20
- 50 to 500: 16
- 500 to 1000: 8
- 1000 to 3000: 4

## ▶ Minor Arterials

- 0 to 50: 16
- 50 to 500: 10
- 500 to 1000: 5

## ▶ Airport Zone

- 0 to 0: 10

# Activity 2: Running UPlan: Discouragements and Masks

## ► Discouragements: Weight

- Vernal Pools: 20
- Ag Preserve: 20
- Airport: 20 (not Ind or CH and CL)
- NWI: 20
- Timber Prot. Zone: 20

## ► Masks

- Rivers: Main: 50
- Lakes: 50
- Current Land Use
- Public Land

# Activity 2: Running UPlan: General Plan

- ▶ Ind: 10
- ▶ CH: 10, 12
- ▶ RH: 10, 12
- ▶ RM: 6, 10, 12
- ▶ RL: 7, 10, 12
- ▶ RVL: 1, 13

# Result Interpretation

- ▶ Quick Summary
  - Unusual log reports
- ▶ “Giggle Test”
  - Does it make sense when viewed with local knowledge
- ▶ Report
  - Under allocation
  - Discouragement Impacts
  - TAZ export