SCAG Scenario Planning Model (SPM): Status Overview and Demo

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Outline

- What is SPM?
- What has been done to date and Why?
- SPM Functionalities : feature highlights
- ...how? : sites walk-through
- What's next?



What is SPM?

- A comprehensive web-based land use sketch planning tool for scenario development, modeling, and data management
- Built on 'UrbanFootprint (UF)' modeling platform developed by Calthorpe Associates
- Currently being customized and enhanced for use by major MPOs in CA



What has been done and Why?

- Started from a ground-up, working with SPM
 Working Group and developed two major
 functionalities:
 - 1. Sophisticated Data Management site through 3 rounds of pilot testing
 - Provide a common platform to share/review/update
 local data, enabling seamless integration with regional
 data
 - Reduce effort on a local input process for the next RTP/SCS cycle while maintaining the integrity of local input



What has been done and Why? (cont.)

- 2. Initial version of Scenario Development and Analysis site for internal use
 - Provide a comprehensive existing condition for the year
 2012 as a *base canvas*
 - Allow planners to develop future scenarios via webbased scenario painter and assess their impacts on the fly
 - Sufficient to support our SCS development activities for now



SPM Functionalities : *feature highlights*

Data Management site:

- Explore data using attribute query, join, and summarize
- Edit and export layers
- Approve (or reject) edits and merge

Scenario Development and Analysis site:

- Review the base condition and preloaded future scenarios
- Create/update scenarios and analyze their impacts on water and energy consumption, local costs and revenues, and VMT (land consumption and public health modules will be added later)
- Review and customize existing built forms





How ? – sites walk-through (DM site)





How ? – sites walk-through (SD site)





What's next?

- Roll-out of the Data Management site to all local jurisdictions and provide training
- Work closely with the SPM Working Group to further develop the Scenario site for local application
- Integrate the two sites and continue to enhance



Thank You

