Measuring Access to City of Los Angeles Parks

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LA Mayor’s Mandate:

• Quantify park accessibility
• Report park performance
Measure and report the level of **access** for LA City residents
LA Dept. of Recreation & Parks took it One Step Further:

- Performance Assessment
- Decision Support System
Performance Measurement Tools

Calculate performance of each park, based on distance:

- Total population served
- Population by age group
- Total households served
- Households by income
Networks Determine Access to Park Entrances

- Neighborhood Park (walking .5 miles)
- Community Park (driving 3 miles)
- Regional Park (driving 15 miles)
E-PADSS Homepage

Equitable Parks and Amenities Decision Support System (E-PADSS)

Welcome to the City of Los Angeles Department of Recreation and Parks Equitable Parks and Amenities Decision Support System (E-PADSS). Click one of the links below to get started.

For assistance, access to E-PADSS resources, or to report issues, please contact:

Robert Pangilinan
213-202-3288
rpb.pangilinan@lapd.org

E-PADSS Tools

- Performance Measurement Tool Results
- Decision Support Application (login required)

E-PADSS Documentation

- Decision Support Application User Guide

Data Management Tools

- Park Entrance Editor for RAP Parks (login required)
- Park Entrance Editor for Non-RAP Parks (login required)
- Future Park Editor (login required)
E-PADSS Performance Measuring Tool

The performance measurement tool uses park entrances, road networks, and census blocks input datasets to generate park accessibility performance measures and service area maps. The tool is capable of generating performance measures and service area maps for three separate sets of input parks: (1) RAP parks alone; (2) Non-RAP parks alone; (3) All parks (RAP and non-RAP parks together). The performance measurement tool always generates outputs for RAP parks alone. Optionally, it will also generate outputs for non-RAP parks alone if the “Analyze NonRAP Parks” box is checked. Likewise, it will also generate outputs for all parks (RAP and Non-RAP together) if the “Analyze All Parks RAP and NonRAP” box is checked.
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**RAP Neighborhood Park Service Areas**

- Neighborhood Park Service Areas
- Unserviced Areas
- City Council Districts

- Map showing service areas with highlighted areas.

**Total Households**

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E-PADSS Application Framework
E-PADSS Applications

- Performance Measurement (python scripts)
- Park Entrance Editor
- Decision Support Application
- Future Park Editor
The E-PADSS Decision Support System

- Build and compare development scenarios based on impact on performance
E-PADSS System Architecture
E-PADSS Phase I Success

- The project has been a resounding success. We are now moving to Phase II.
Phase II: Comprehensive Maps and Reports

- Enhance park analysis
- Integrate disparate data
- Accurately display facilities and amenities
- Create thematic maps
- Highlight needs
- Reduce cost
- Maximize resources
Data Collection Tool

- Add facilities and amenities in the field
- Edit attributes with mobile applications
- Assist with service requests
Systems Integration

- Track the Online Activity Catalog (OAC) users
- Determine location of those who use park resources
- Determine how programming impacts the surrounding community
GIS E-PADSS Demo

Alex Yee & Daniel Elroi

Support: Robert Pangilinan,
GIS Programmer
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