

Parking and Transportation Needs at the University of California, San Diego, 2006-07 to 2012-13



Presenter, Matthew Xavier
Office of Institutional Research, U.C. San Diego

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Discussion Outline



- Research Question
- Methodology
- Findings
- Recommendations
- Other considerations
- Questions

January 31, 2008

Institutional Research/UCOP Retreat



Research Question

- Although the current parking vacancy rate at UCSD is 20%, given the increases in campus population and anticipated decreases in parking spaces due to new capital projects, will the parking system be able to provide adequate and affordable access by 2012-13?

January 31, 2008

Institutional Research/UCOP Retreat



Methodology

- The Office of Institutional Research (IR) designed the process and determined the data requirements/analyses needed in consultation with the offices of Transportation & Parking Services (TPS) and Physical Planning (PPO)

January 31, 2008

Institutional Research/UCOP Retreat



Methodology

- These requirements included collecting the following data/analyses:
 - 1.) past, current and future use of transportation services,
 - 2.) campus population trends,
 - 3.) parking inventory as a function of the anticipated impact of the capital program,
 - 4.) the relationship between parking space vacancy and campus population,

January 31, 2008

Institutional Research/UCOP Retreat



Methodology

- 5.) the types and prices of parking permits,
- 6.) parking conditions at other UC's,
- 7.) financial projections on the cost of new parking structures scenarios and
- 8.) the impact of those costs on future parking permit prices.

January 31, 2008

Institutional Research/UCOP Retreat



Methodology

- Throughout the process, members of IR, TPS and PPO met on a frequent basis to interpret the initial analyses as well as the reports by consultants, and Student Affairs.
- Once the analyses were completed, recommendations were developed that best fit the results.
- IR wrote a draft report to present the findings and recommendations to the Transportation and Parking Committee (TPC) for review.

January 31, 2008

Institutional Research/UCOP Retreat



Methodology

- TPC consequently conducted open forums with campus constituencies to obtain feedback on the recommendations.
- In the near future, TPC will vote on which course of action, if any, to take.
- The course of action will then be forwarded to the Vice Chancellor of Business Affairs to whom TPC serves as an advisory body.

January 31, 2008

Institutional Research/UCOP Retreat



Findings

- 1. Campus population increases by 5,300 new people from 2006-07 to 2012-13
- 2. \$857 million capital program includes 16 new projects totaling 1,173,000 asf
- 3. Parking spaces will decrease by 1,300 spaces from 2006-07 (14,100) to 2012-13 (12,400)

January 31, 2008

Institutional Research/UCOP Retreat



Findings

- 4. Though campus population has grown by 42% since 1995, parking space demand has shown a mixed trend between flat to very modest growth

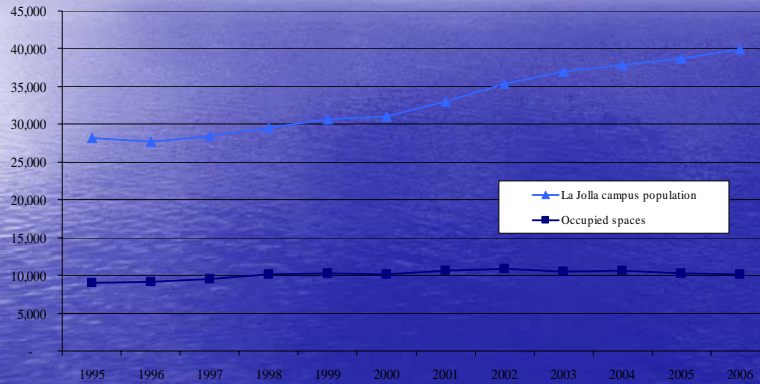
January 31, 2008

Institutional Research/UCOP Retreat



Findings

Figure 1
Occupied Parking Spaces and Population Trends 1995-96 to 2006-07
La Jolla Campus



January 31, 2008

Institutional Research/UCOP Retreat



Findings

- 5. Use of alternative transportations needs to grow to 10% of the total population to keep demand growth down
- 6 By 2012-13, the parking system inventory would experience less than the target vacancy rate of 5%

January 31, 2008

Institutional Research/UCOP Retreat



Findings

- 7. Cost to construct a new parking structure is between \$29,130 to \$43,455 per space. Total cost for a structure ranges from \$11.7 to \$55.4 million.
- 8. One solution to increase vacancy rates is to fund the construction of a new parking structure(s). However, this would require raising parking permit fees between 4.5% to 8.1% annually
- 9. Another solution to increase the vacancy rate includes reducing parking permit sales to resident freshman by 780 permits

January 31, 2008

Institutional Research/UCOP Retreat



Recommendations

- 1. Encourage and expand use of Rideshare Programs, campus-run shuttles, informal ride sharing, and public transportation,

January 31, 2008

Institutional Research/UCOP Retreat



Recommendations

- 1. Encourage and expand use of Rideshare Programs, campus-run shuttles, informal ride sharing, and public transportation,
- 2. Restrict resident student parking access, and, if warranted,

January 31, 2008

Institutional Research/UCOP Retreat



Recommendations

- 1. Encourage and expand use of Rideshare Programs, campus-run shuttles, informal ride sharing, and public transportation,
- 2. Restrict resident student parking access, and, if warranted,
- 3. Construct new structured parking.

January 31, 2008

Institutional Research/UCOP Retreat



Other considerations

- Campus LRDP
- Impact on surrounding communities
- Affordability of permit increases
- Elasticity of Demand

January 31, 2008

Institutional Research/UCOP Retreat



Questions?

The report can be found at

http://yamhill.ucsd.edu/TPS/PDFs/TP_Needs_Study_12-07.pdf

E-mail: mxavier@ucsd.edu

January 31, 2008

Institutional Research/UCOP Retreat