



San Francisco Parking Supply and Utilization Study

Citizen Advisory Committee
Agenda Item 8

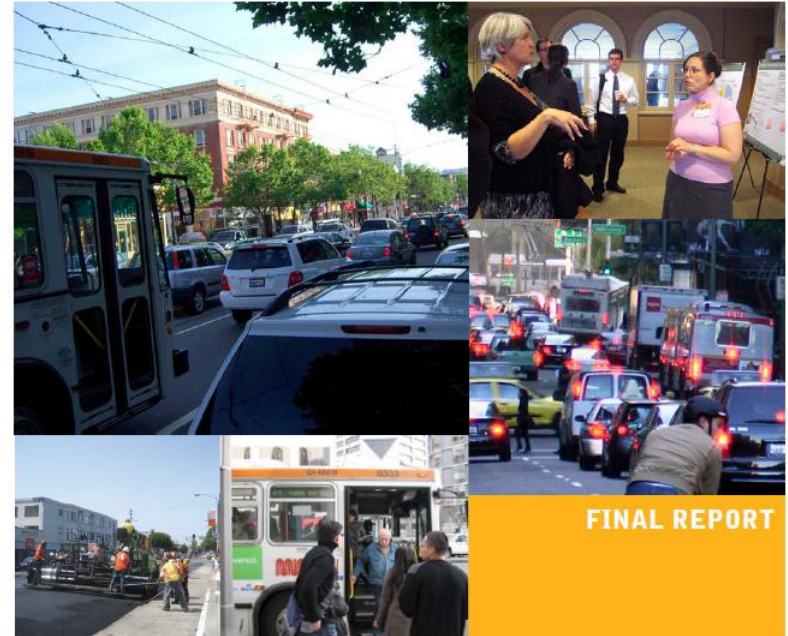
SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY

June 22, 2016

Follow-up for Mobility, Access and Pricing Study

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

- ▶ **Parking Supply and Utilization Study (PSUS) key recommendation from adoption of Mobility Access and Pricing Study (MAPS)**
 - ▶ **Funded through FHWA/VPPP, regional, and local sales tax**
 - ▶ **Can parking management/pricing be an alternative or complement to cordon based pricing for congestion management?**
 - ▶ **Study focus on commercial, off-street**
- ▶ **Part of larger demand management approach**



San Francisco
Mobility, Access, and Pricing Study

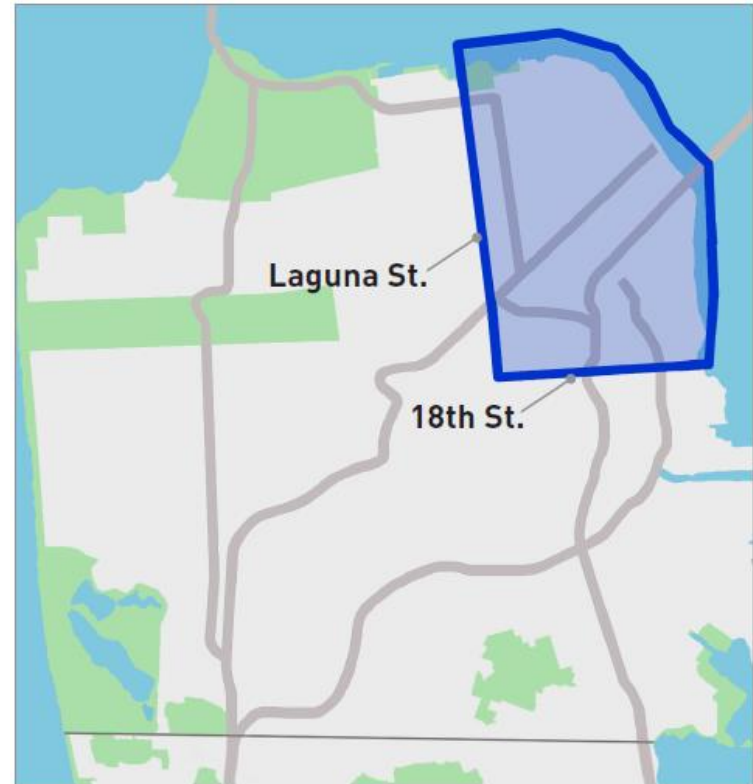


SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY
PRESENTED TO THE AUTHORITY BOARD, DECEMBER 2010

Key goals for study

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

- ▶ **Answer question: Can parking management/pricing be an alternative or complement to cordon pricing for managing demand?**
 - ▶ **Focus on commercial, off-street parking in downtown**
- ▶ **Evaluation focused on changing mode and reducing congestion (Mode Share, VMT, and VHD); time shift**
- ▶ **Also estimate off-street supply not counted in SFpark census**



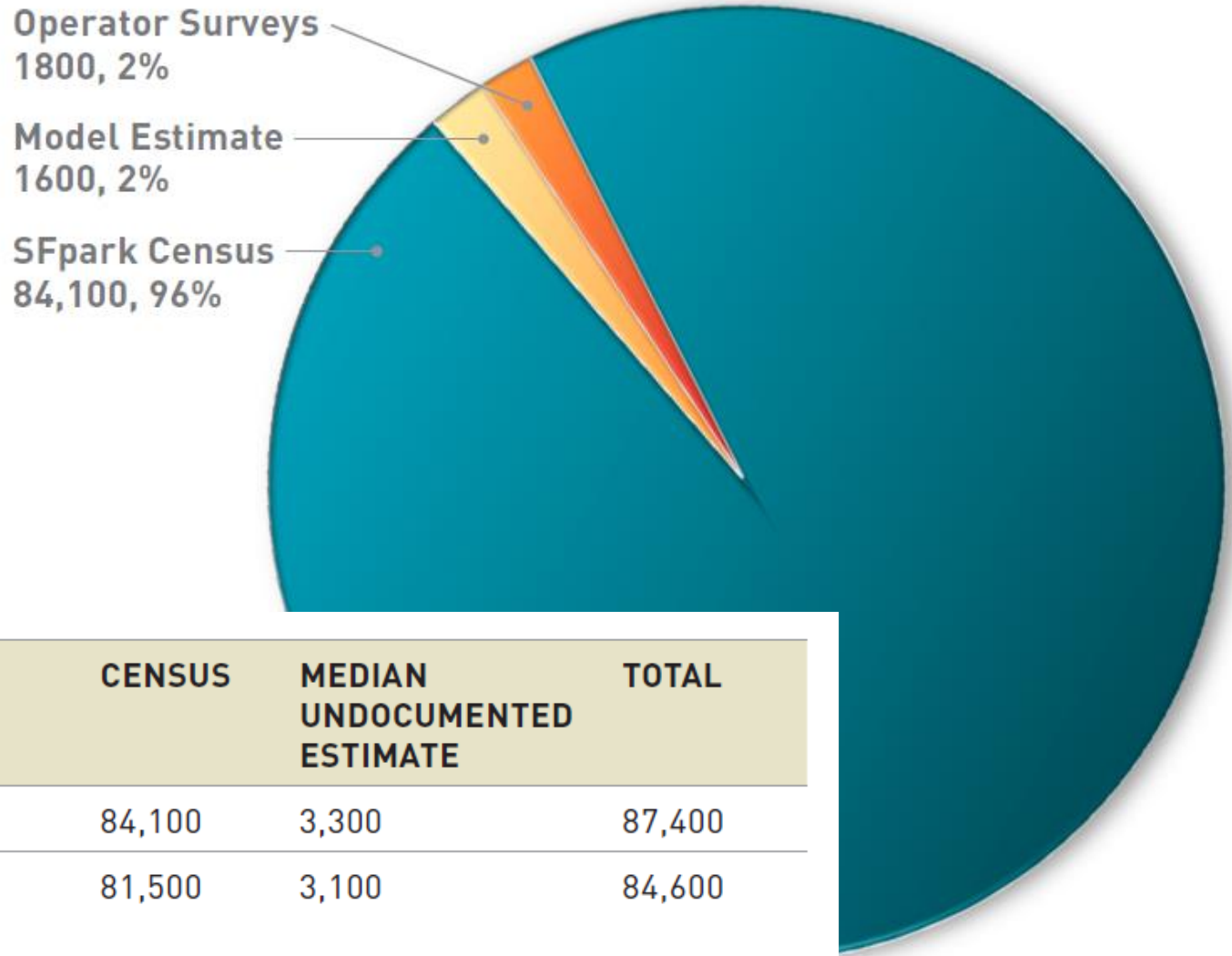
13 Strategies Evaluated

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

CATEGORY	STRATEGY	TIME PERIOD
Fee-Based	Annual fee required to be passed along to driver	24-Hour
Fee-Based	Universal parking access fee	AM/PM Peak or All-Day
Fee-Based	Flat all-day fee	All-Day
Fee-Based	Flat peak fee	AM/PM Peak
Bulk Discount Elimination	Monthly and hourly discount elimination	24-Hour
Bulk Discount Elimination	Monthly discount elimination	24-Hour
Bulk Discount Elimination	Parking sales tax bulk discount elimination incentive	24-Hour
Bulk Discount Elimination	Parking fee bulk discount elimination incentive	24-Hour
Supply	SFMTA garage redevelopment	24-Hour
Supply	Parking supply cap	24-Hour
Supply	Parking supply cap and trade	24-Hour
Cashout	Increased cashout enforcement	24-Hour
Cashout	Expanded cashout law	24-Hour

Little new off-street parking discovered

BACKGROUND > SCREENING > **SUPPLY** > MODEL DEV > FINDINGS

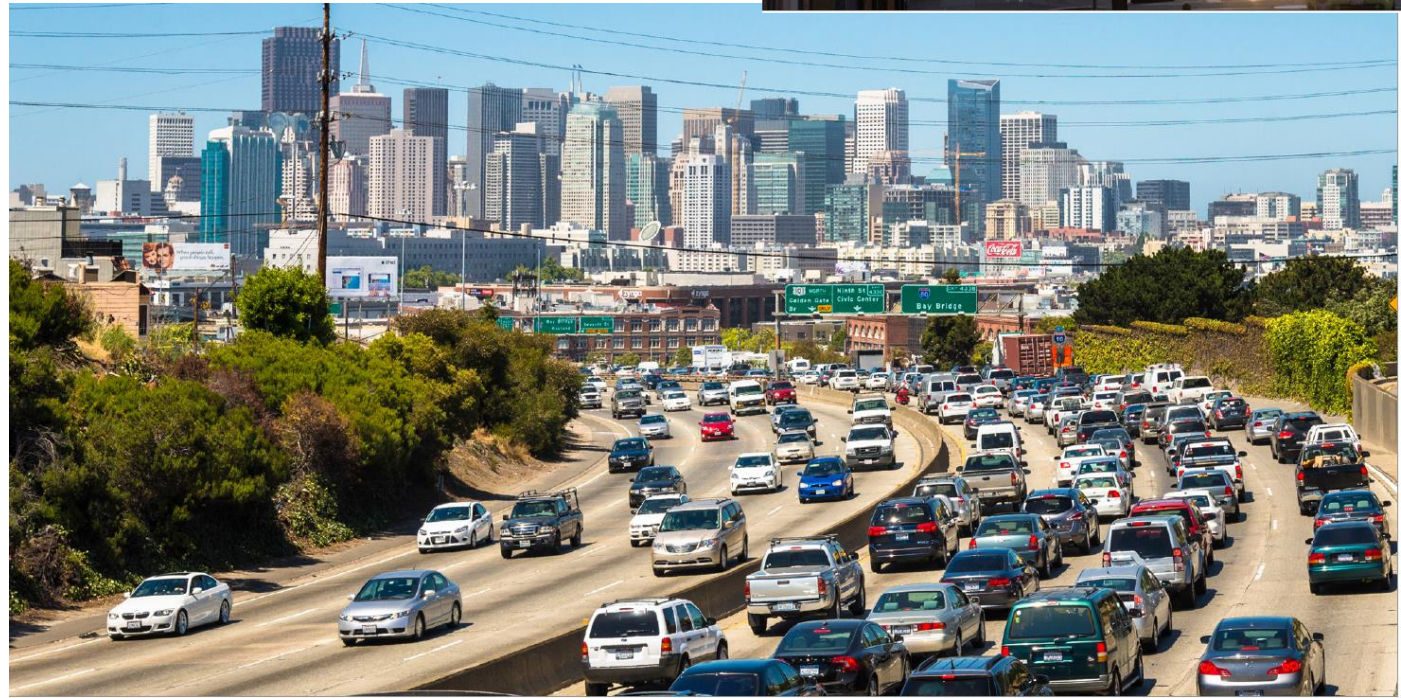


	CENSUS	MEDIAN UNDOCUMENTED ESTIMATE	TOTAL
Study Area	84,100	3,300	87,400
Outside Study Area (extrapolated)	81,500	3,100	84,600
Citywide (extrapolated)	165,600	6,400	172,000

Evaluation Framework

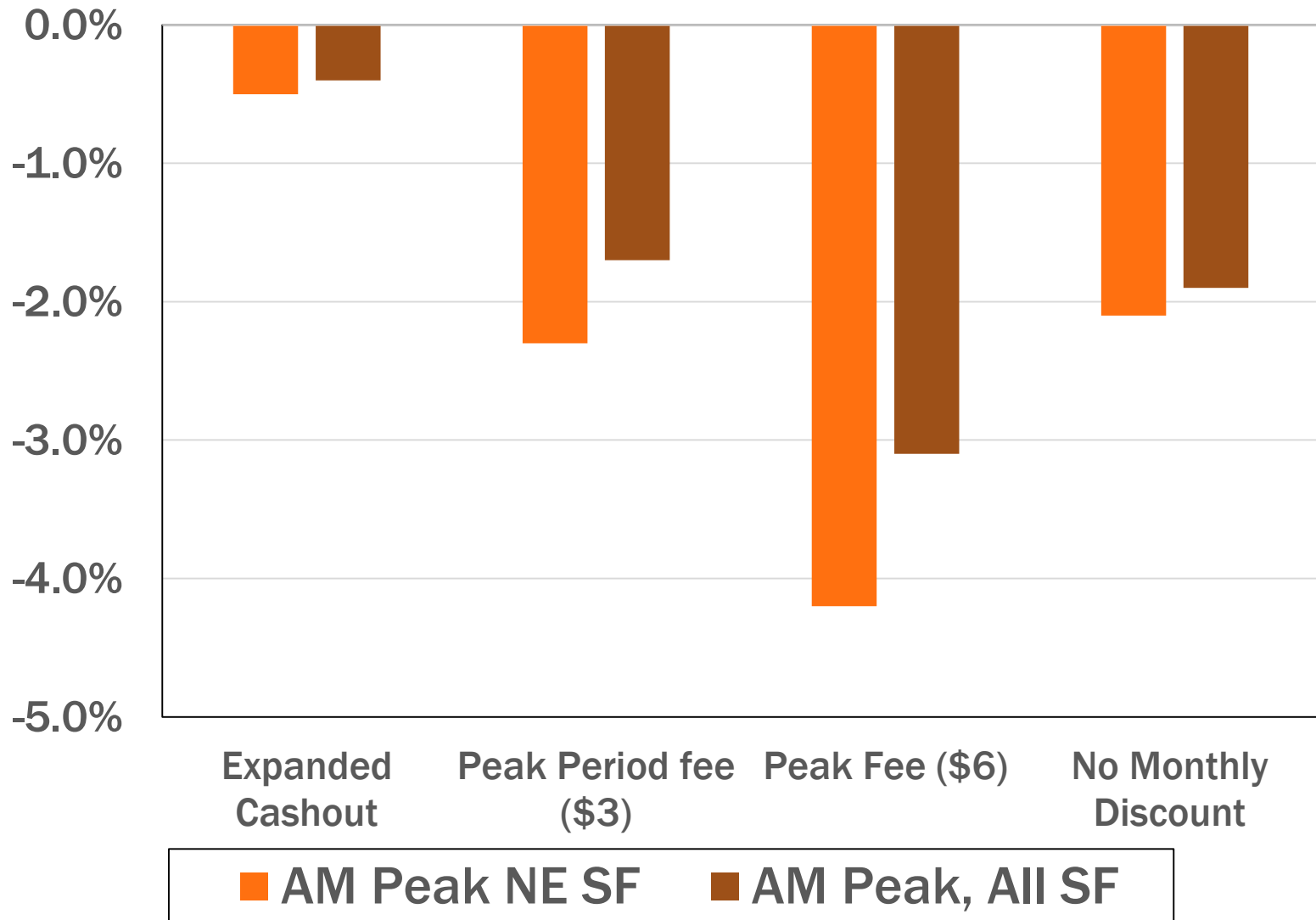
BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

- ▶ **Congestion Metrics**
 - ▶ VMT and VHD
 - ▶ Mode share
- ▶ **Focus in downtown**



Finding: Parking strategies have modest effect on congestion

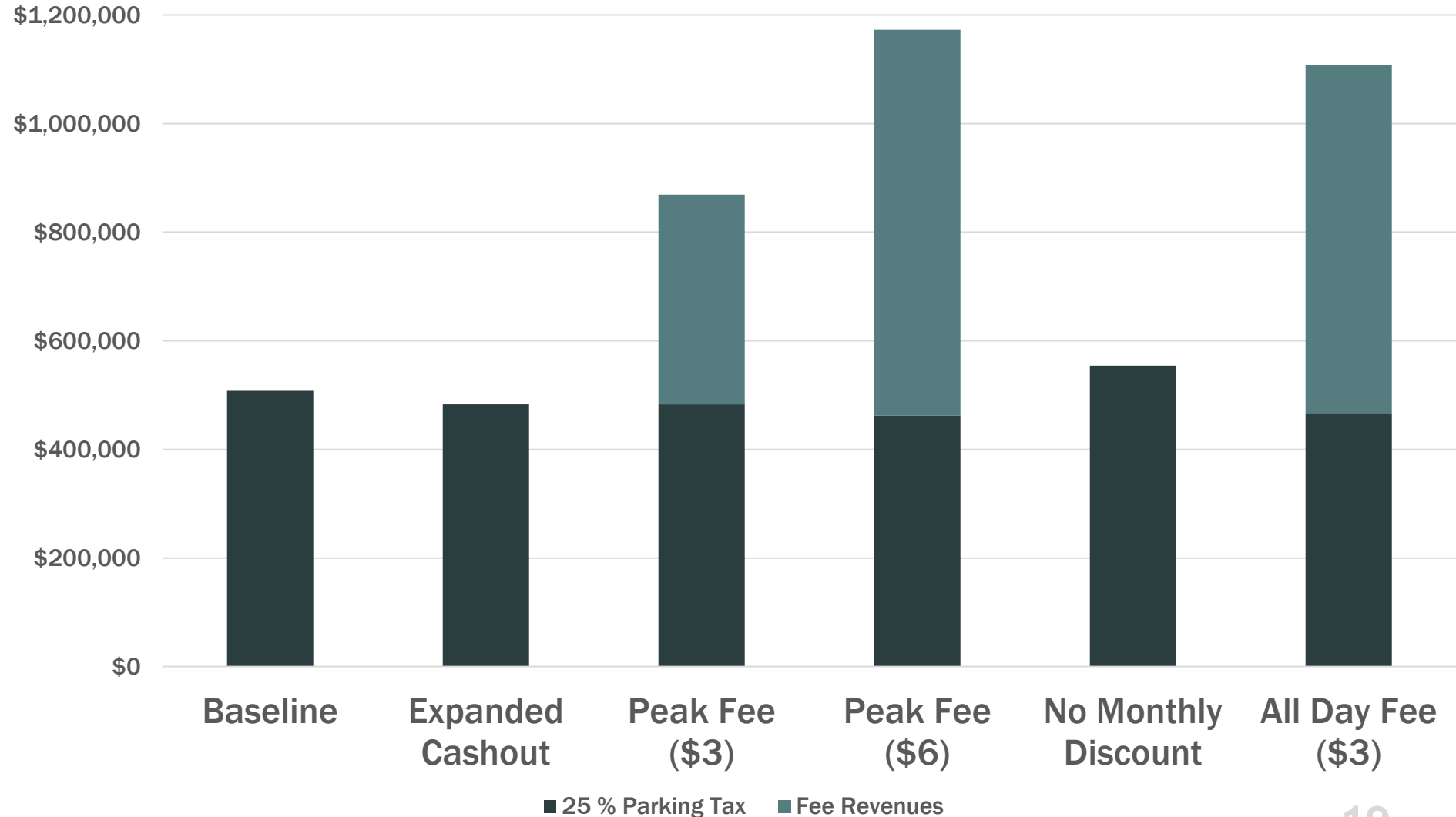
Reduction in VMT, AM Peak – Study Area



Finding: Scenarios generate revenues

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

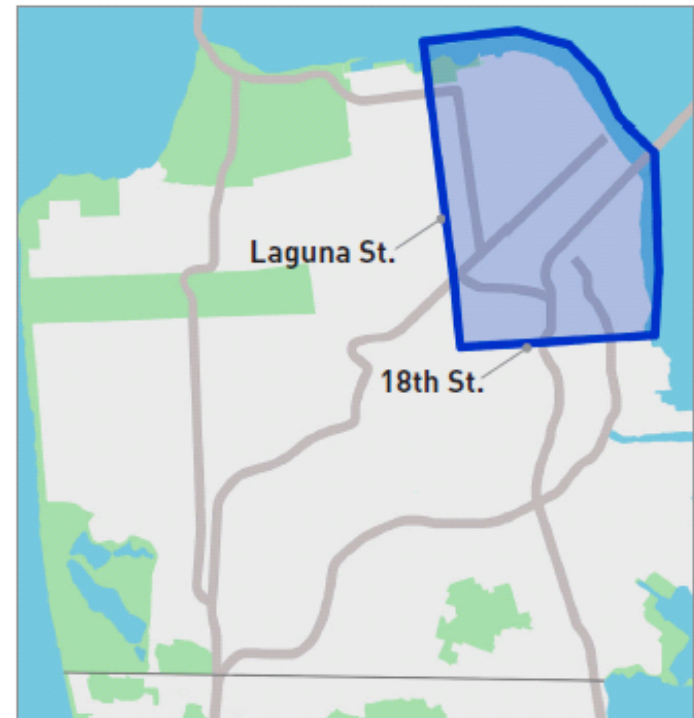
Daily City of San Francisco Parking Revenues



Conclusion: Parking demand management helps meet SF goals, but better tools exist for managing areawide congestion

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

- ▶ **Parking beneficial for local congestion/VMT**
- ▶ **Significant portion of traffic in peak would be exempt from parking fee versus cordon based pricing**
 - ▶ **Pass-through and residential**



Other challenges with parking approaches

BACKGROUND > SCREENING > SUPPLY > MODEL DEV > FINDINGS

- ▶ **Parking operator has different priorities**
- ▶ **Political acceptance**
- ▶ **Enforcement challenges**
 - ▶ **Technology/ Privacy**
- ▶ **Legislative and legal hurdles**



Next Steps

- ▶ **Outreach to stakeholders (May/June)**
- ▶ **Finalize report/results (June)**
- ▶ **Study approval (June/July)**
- ▶ **Continue development of other parking and pricing initiatives**
 - ▶ **Parking**
 - **Transportation Sustainability Program**
 - **On-street parking policies**
 - ▶ **Pricing**
 - **Treasure Island**
 - **Freeway Corridor Management Study**
 - **BART Incentives**

Acknowledgements



- ▶ **Funders**
 - ▶ **FWHA VPPP**
 - ▶ **Metropolitan Transportation Commission**
- ▶ **Study Partner**
 - ▶ **SFMTA**
- ▶ **Consultant Technical Support**
 - ▶ **Transportation Analytics**
 - ▶ **Cambridge Systematics**
 - ▶ **Nelson Nygaard**
 - ▶ **Nancy Whelan Consulting**

Michael Schwartz
Michael.Schwartz@sfcta.org