

DOCKETED

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SCAG Plug-in Electric Vehicle (PEV) Readiness Program

CA Energy Commission

October 5, 2016

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SCAG & SCAG Clean Cities Coalition

The SCAG (Southern California) Clean Cities Coalition includes parts of Los Angeles County, Orange, San Bernardino, Ventura and Imperial

The Coalition was originally formed (designated) in 1996

Coalition Structure:

- Clean Cities is SCAG program component (since 2010)
- The Coalition reports to SCAG's Energy & Environment Policy Committee & RTTAC
- 200 + stakeholders/ members



- Coalition funded through US Dept of Energy (DOE) program contract and available California Energy Commission (CEC) Grant Funding

Plug-in Electric Vehicle (PEV) Plan 2010-2012

SCAG Grant Funding

- U.S. Department of Energy
- California Energy Commission

So Cal PEV Coordinating Council

- SCE and public utilities
- Local Governments & Partners
- Private Sector Interests

Plug-in Electric Readiness Plan & Atlas

- Local policy guidance for EV Ecosystem
- Prime location for charging installation sites



Prius PEV



SMART EV

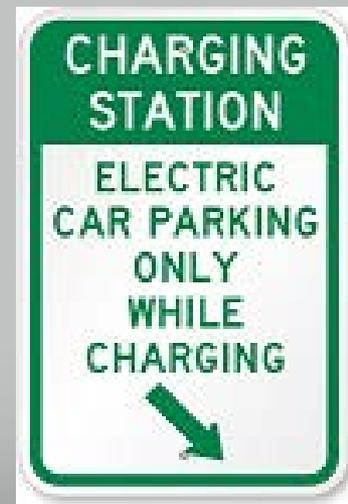


AeroVironment Charger

Plug-in Electric Vehicle (PEV) Plan Regional Recommendations

Local Agency Focus

- Workplace Charging
 - Employer Outreach
 - Pre-Connection Commitments
- Multi-Family Buildings
 - Demonstration Projects
- Retail Fast Charging
 - Parking Issues



2016 RTP/SCS: PHEV & Charging Infrastructure

Battery Electric



Tesla S



Nissan Leaf

Plug-in Hybrid
(battery + gas)



Chevy Volt– 50 mi batt.



Ford Fusion Energi – 21 mi batt.

2016 RTP/SCS: PHEV & Charging Infrastructure

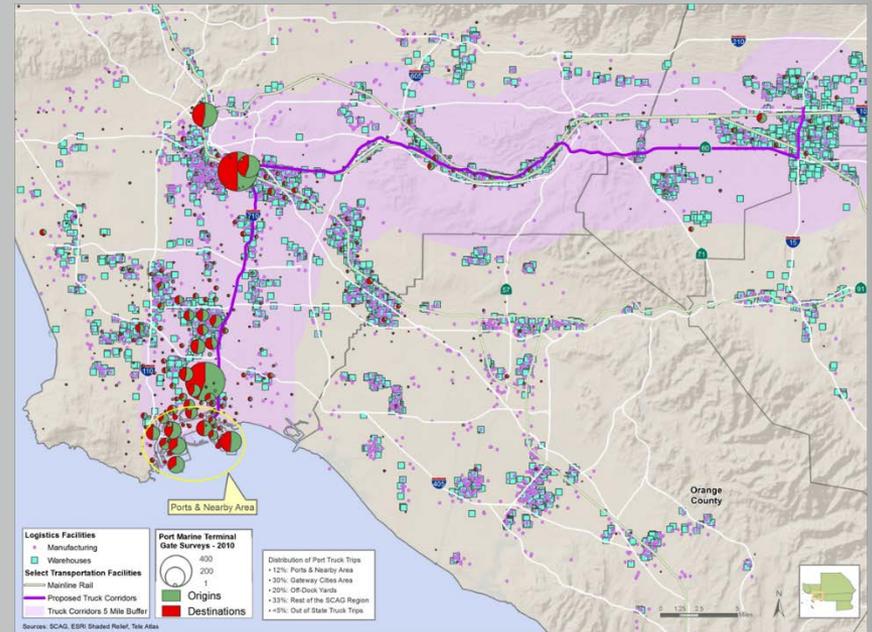
Goals

- Incentivize Level 1 & 2 Charging stations
- 10% Improvement PHEV Electrification
- Increase access to charging in Urban & Compact Areas



EV Charging Station Program	
Level 1 Rebates	287,829
Level 2 Rebates	95,943
Total Rebates	383,772
Total Program Cost	\$ 274 M

2016 RTP/SCS: East West Freight Corridor



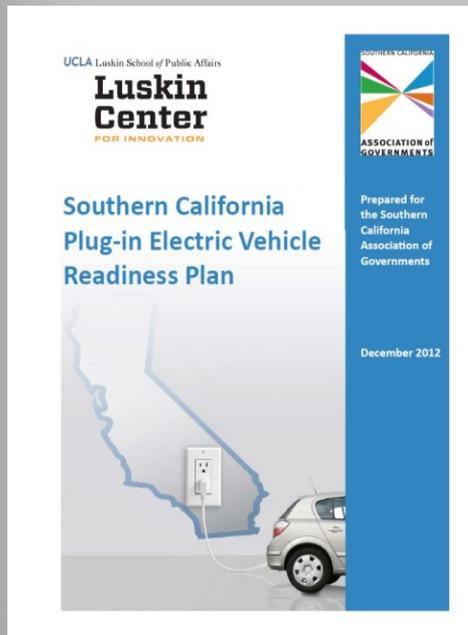
2016 RTP/SCS: Electric Transit Vehicle



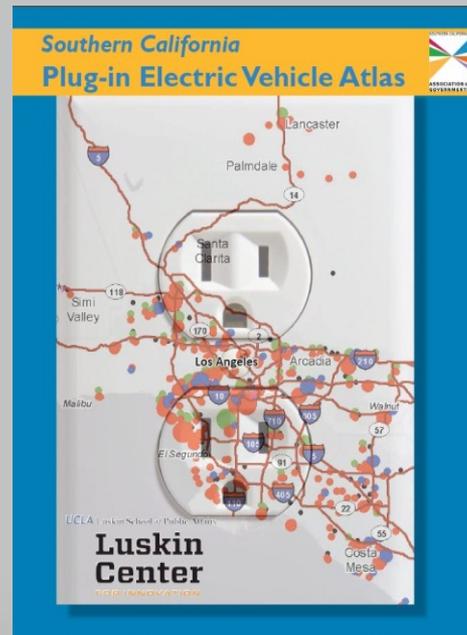
Plug-in Electric Vehicle (PEV) Plan Resources

SCAG Funded Products and Resources available:

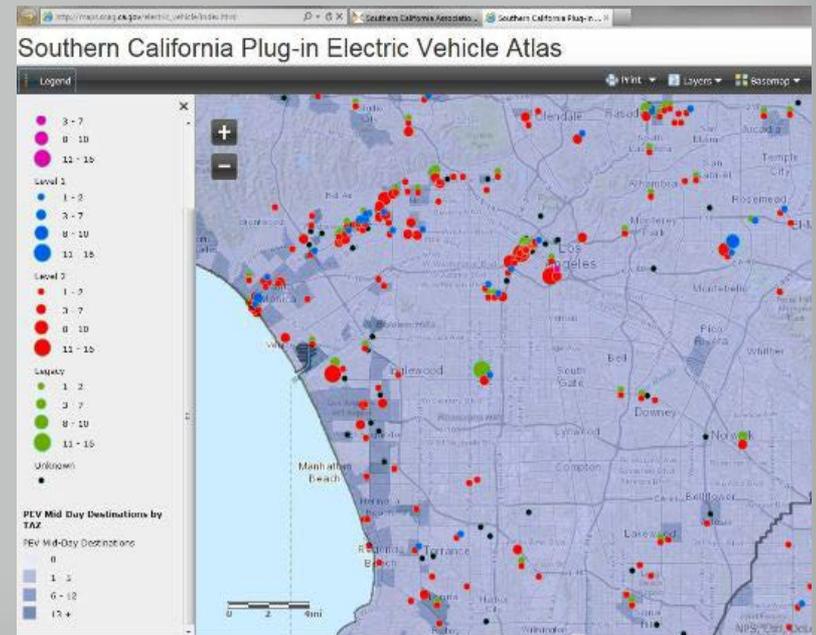
www.scag.ca.gov/programs/Pages/RegionalElectric.aspx



SCAG PEV Readiness Plan



SCAG PEV Readiness Atlas



SCAG Interactive PEV Readiness Atlas

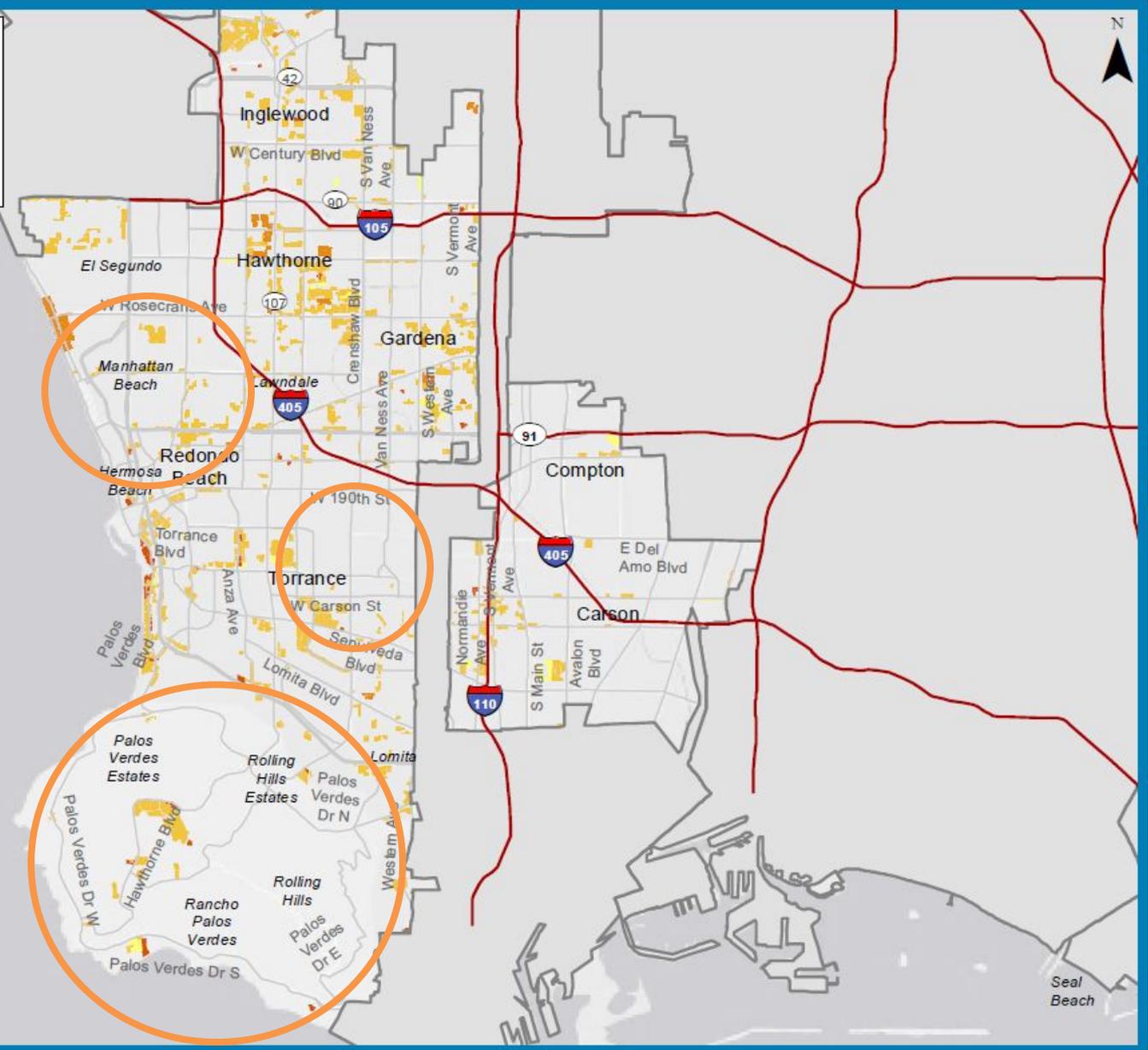
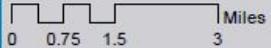
Multi-Unit Residential

Multi-Unit Residential

- Duplexes/Triplexes
- Low-Rise Apt/Condos/Townhomes
- Mixed Multi-Family
- Medium-Rise Apts/Condos
- High-Rise Apts/Condos

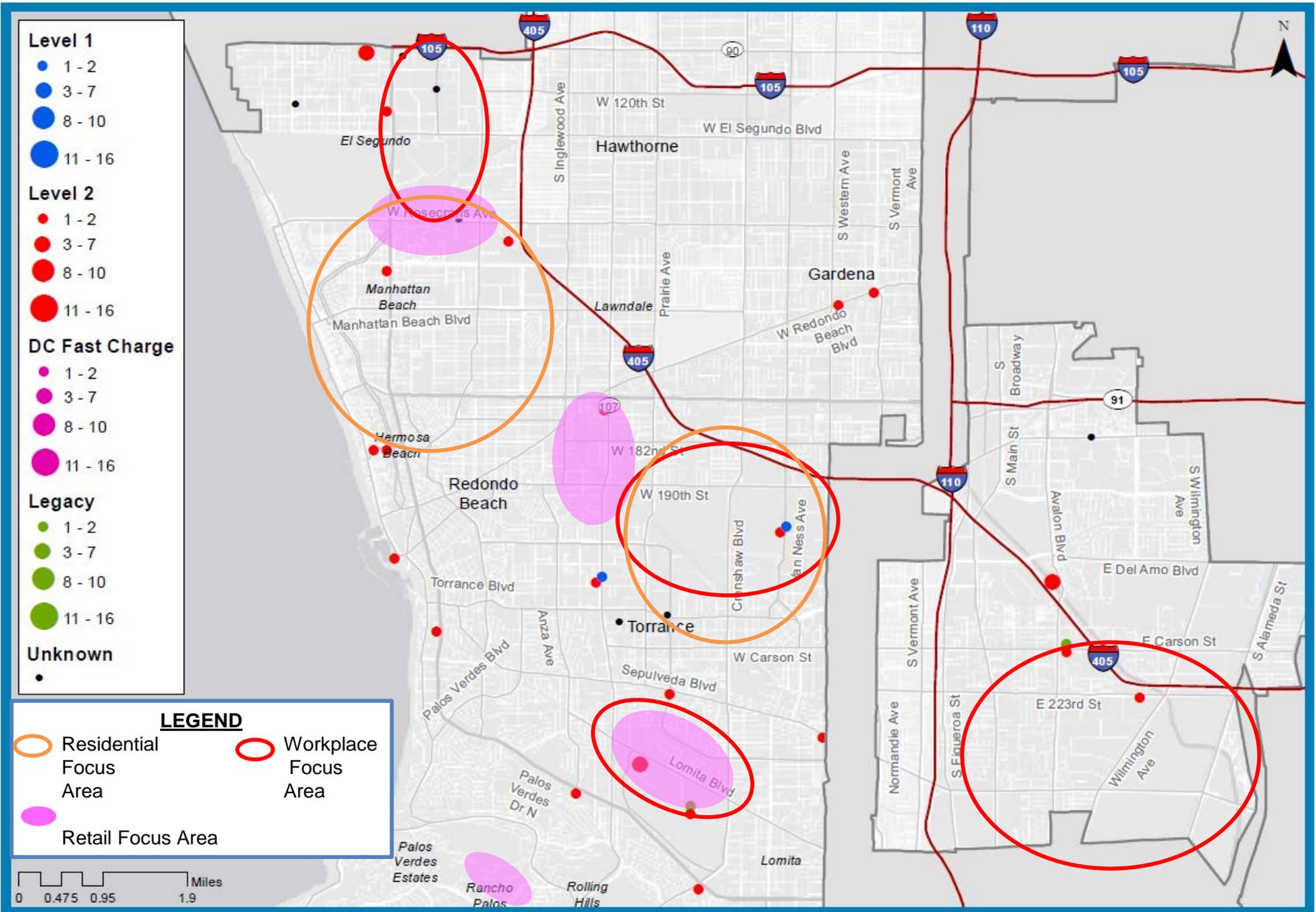
LEGEND

- Residential Focus Area
- Workplace Focus Area
- Retail Focus Area



Seal Beach

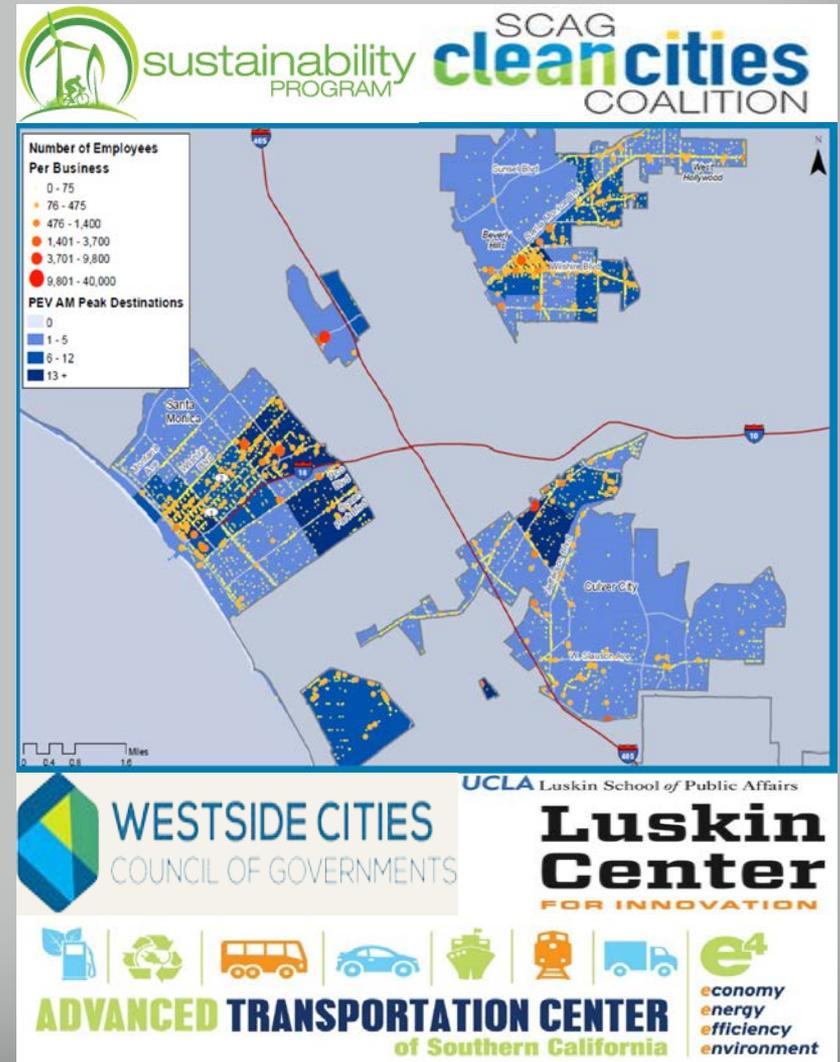
Publicly-Accessible Charging Stations (Summer/Fall 2012)



Multi-family Housing

CEC PON 14-607 Implementing Readiness Plan in Multi-Family Housing

- Update 2012 PEV Atlas
- Conduct analysis and outreach in Westside Cities Council of Government (WCCOG) area:
 - Santa Monica, Culver City, Beverly Hills, West Hollywood, and West LA
 - 68% Multi-Family
 - Over 200,000 units



Stakeholder Interviews

- 5000 parking spaces, 100% occupied
- Initially 15 stations, now 25 Level 2 Coulomb stations
- potentially adding 10 more
- \$20-30K panel upgrade



Stakeholder Interviews

- 4 out of 5 properties have stations
- 15 Blink! Stations
- 1 bldg. has public access
- Response to tenant requests



Stakeholder Interviews

- 164 room Boutique Hotel
- LEED Gold
- Sustainability Focused
- 1 Level 2 station open to public
- They approached NRG



For more information:

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