



Opportunities & Challenges in Implementing 100% “EV Ready” Multifamily Condominium Developments:

ASPAC Development’s Experience

Aspac Developments



Coal Harbour Community



River Green Community – Hollybridge Project



Regulatory Background – City of Richmond

2018 All newly built multifamily residential parking stalls to have:

- 208V receptacle & minimum 12kWh power supply per stall over 8 hrs



Developer's Priorities

- Futureproof
- Flexibility for Strata
- Simplified Administration



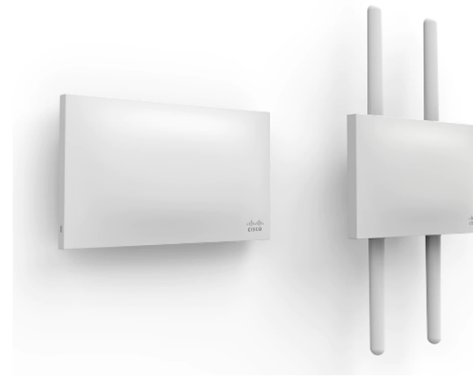
Developer's Priorities

- Multiple Charger Selection
- Dynamic Load Management
- Peak Load Management



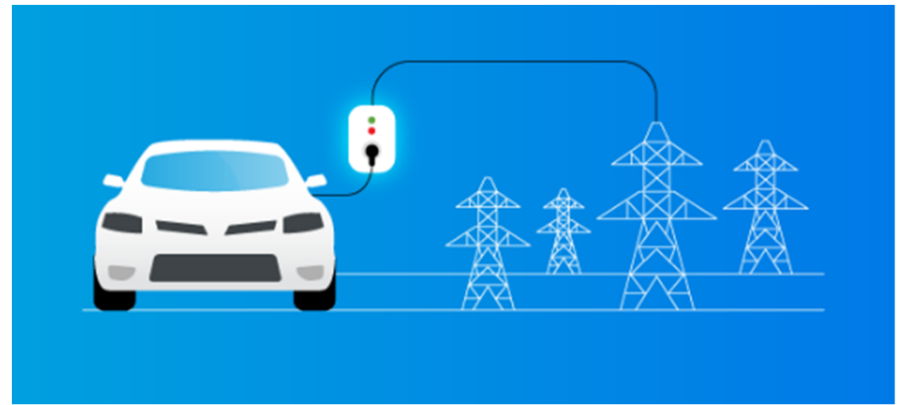
Design

- Shared 4:1 40Amp circuit
- 208V Level 2 rough in
- Eleven 600Amp EV Panels
- Fifty Wireless Access Points (WAPs)



Infrastructure Options

- Dedicated Service
- Smart Panels
- Load Management Software



Load Management Software Considerations

- Domestic Data Storage
- Law of the Contract
- OCPP Non-proprietary Hardware/
Software
- Mixed Chargers



Load Management Software Considerations

- Established Provider
- Local Representation
- Hardware/Software Troubleshooting
- WAP vs. LTE



Challenges

- OCPP 2.0
- Proprietary Options



Opportunities

- ZEVIP Application

