```
/*1*/
CREATE VIEW View_EVDetailedRegistrations AS
SELECT
  v.Year AS Model_Year,
  mo.Make,
  mo.Model,
  COUNT(v.DOL_Vehicle_Id) AS RegistrationCount
FROM vehicle v
JOIN model mo ON v.Model_Id = mo.Model_Id
JOIN vehicle_location vl ON v.DOL_Vehicle_Id = vl.DOL_Vehicle_Id
JOIN location l ON vl.Location_Id = l.Location_Id
WHERE l.State = 'WA' AND v.Year >= (YEAR(CURDATE()) - 5)
GROUP BY v.Year, mo.Make, mo.Model;
/*2*/
CREATE VIEW View_EVMarketAnalysis AS
SELECT
  l.State,
  m.Make,
  COUNT(v.DOL_Vehicle_Id) AS TotalVehicles,
  AVG(v.Range) AS AverageRange
FROM vehicle v
JOIN model m ON v.Model_Id = m.Model_Id
JOIN vehicle_location vl ON v.DOL_Vehicle_Id = vl.DOL_Vehicle_Id
JOIN location l ON vl.Location_Id = l.Location_Id
WHERE m.Make = 'TESLA'
GROUP BY l.State, m.Make;
/*3*/
CREATE VIEW View_RegionalEVAdoption AS
SELECT
  l.City,
  COUNT(DISTINCT v.DOL_Vehicle_Id) AS TotalEVs,
  SUM(CASE WHEN ce.CAFV_Eligibility = 'Clean Alternative Fuel Vehicle Eligible'
THEN 1 ELSE 0 END) AS EligibleEVs,
  (SELECT COUNT(DISTINCT ve.DOL_Vehicle_Id)
   FROM vehicle ve
   JOIN model mo ON ve.Model_Id = mo.Model_Id
   JOIN vehicle_location vle ON ve.DOL_Vehicle_Id = vle.DOL_Vehicle_Id
   JOIN location lo ON vle.Location_Id = lo.Location_Id
   WHERE mo.Make = 'TESLA' AND lo.City = l.City) AS TeslaCount
FROM vehicle v
JOIN `cafv eligibility` ce ON v.CAFV_Id = ce.CAFV_Id
JOIN vehicle_location vl ON v.DOL_Vehicle_Id = vl.DOL_Vehicle_Id
JOIN location l ON vl.Location_Id = l.Location_Id
WHERE l.State = 'WA'
GROUP BY l.City;
/*4*/
CREATE VIEW View_TeslaModelAnalysis AS
SELECT
  mo.Model,
  COUNT(v.DOL_Vehicle_Id) AS ModelCount,
  AVG(v.Range) AS AvgRange
FROM vehicle v
JOIN model mo ON v.Model_Id = mo.Model_Id
WHERE mo.Make = 'TESLA'
GROUP BY mo.Model;
/*5*/
CREATE VIEW View_VehicleTypeComparison AS
SELECT
  vt.Vehicle_Type,
```

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  COUNT(v.DOL_Vehicle_Id) AS VehicleCount,
  SUM(CASE WHEN ce.CAFV_Id= 1 THEN 1 ELSE 0 END) AS EligibleCount
FROM vehicle v
JOIN vehicle_type vt ON v.Vehicle_Type_Id = vt.Vehicle_Type_Id
JOIN `cafv eligibility` ce ON v.CAFV_Id = ce.CAFV_Id
GROUP BY vt.Vehicle_Type;
```