Many of the compendium studies are beyond the scope of a 1-month project or have irrelevant topics (to cars/transportation, GM's goals, etc.). Most of the relevant studies and their short descriptions are summarized here!

Chapter	Studies and Descriptions
	3- section 3, EV charging load considering occupant travel behavior 4- statistical model, lightweighting, perceived costs/adoption, driving patterns- see appendix for datasets 5- battery swaps versus charging 6- charging, renewable energy 1- https://midcdmz.nrel.gov/apps/sitehome.pl?site=BMS (energy) 8- charging infrastructure and demand- can't find EV charge start and end times in stated NHTS dataset 13- ev battery lifespan formula, applications to NHTS based on trip/person travel patterns and temps 15- power demand and charging prediction with machine learning 15- power demand and charging prediction with machine learning 16- https://ev-database.org/#sort.path~type~order=.rank~number~desc range-slider-range:prev~next=0~1200 range-slider-acceleration:prev~next=10~200 range-slider-topspeed.prev~next=10~350 range-slider-fastcharge:prev~next=0~1500 paging:currentPage=0 paging:number=9 1- Behavior from trip data in NHTS- motivations, start/end times, parking 16- distance needs and requirements for EVs 1- Commute Atlanta dataset can't find but NHTS could be substituted maybe 19- Charging load with Monte Carlo- can't find exact load data used though 21- Charging load with Monte Carlo- can't find exact load data used though 21- Charging load with Monte Carlo- can't find exact load data used though 21- Charging load with NHTS and Monte Carlo, takes into account location, so maybe relates to congestion 31- Gasoline super users as target for EVs marketing and transitions 1- Consumption from NHTS data, income for feasibility of transition to electric 34- congestion, routing, and EV efficiency (first part of the study) 1- Need to ask for data, so probably not available publicly 36- charge load balancing through schedule optimization 1- NHTS and EV database- can't find actual database 38- cost-emission tradeoffs, coordinated charging and scheduling 39- charging price and scheduling optimization for load 40- charging load 41- charging load 42- battery degradation 43- selective emissions reduction by targeting certain engine

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	44- EV adoption household characteristics 46- charging load and optimization 49- transportation and power stresses- uses Greensboro so can apply to other areas 51- dynamic charging prices to alleviate congestion 53- vehicle-to-grid power optimization 55- charging demand based on household, availability optimization 56- charging load and energy demand based on travel factors 57- charging policies for power optimization
3	 3- market and policy impacts and benefits on EV adoption and perceptions - Data in appendices? confirm 4- NHTS emissions derivations for autonomous vehicles
5	 3- environment features on travel choice- can be used for marketing for vehicles NHTS and ACS survey data https://data.census.gov/table?q=acs&y=2022 not sure how to find raw data, everything is aggregated into tables https://lehd.ces.census.gov/data/ origin-destination datasets 6- clustering of trips for socio-demographics for travel mode preferencesmarketing to vehicle users?
6	11- only provides an overview of technology interventions, make an actual study on crashes- maybe focus on teen driving behavior? - https://www.nhtsa.gov/nhtsa-datasets-and-apis car brand ratings for crashworthiness from federal agency, complaints and defects for vehicle safety 15- apply ownership of cars methodology to EVs
7	 7- Prediction prices, seems like beginner-friendly topic Exact dataset not found and contains other features not in NHTS 19- vehicle miles driven, forecast patterns among location/other factors 20- ridesharing factors, users, demographics Used Populus dataset, but private company requires payment for access probably
8	2- crash risk and severity factors of individuals, environment, and road conditions - uses public databases, but not shown how data was scraped
10	12- EV travel use frequency/miles compared to regular cars using NHTS, explores different types of EVs 13- ridesharing, idle vehicle use, NHTS 20- ridesharing factors and adoption/travel patterns - https://data.cityofchicago.org/Transportation/Transportation-Network-Providers-Trips-2018-2022-/m6dm-c72p/about_data Chicago b/c more detailed than NHTS
11	9- EV rebates, consumer demographics in comparison to regular cars

	- NHTS and EV consumer data from California - https://cleanvehiclerebate.org/en/survey-dashboard/ev 13- EV perceptions and innovations- made own survey, but raw data doesn't seem available
12	1- pick-ups and drop offs for shared autonomous vehicles - Pricing and congestion/fleet size and density on ridership in simulations - Austin specific parking data and NHTS user characteristics used

Useful Database for EV Model Statistics:

- https://ev-database.org/cheatsheet/range-electric-car