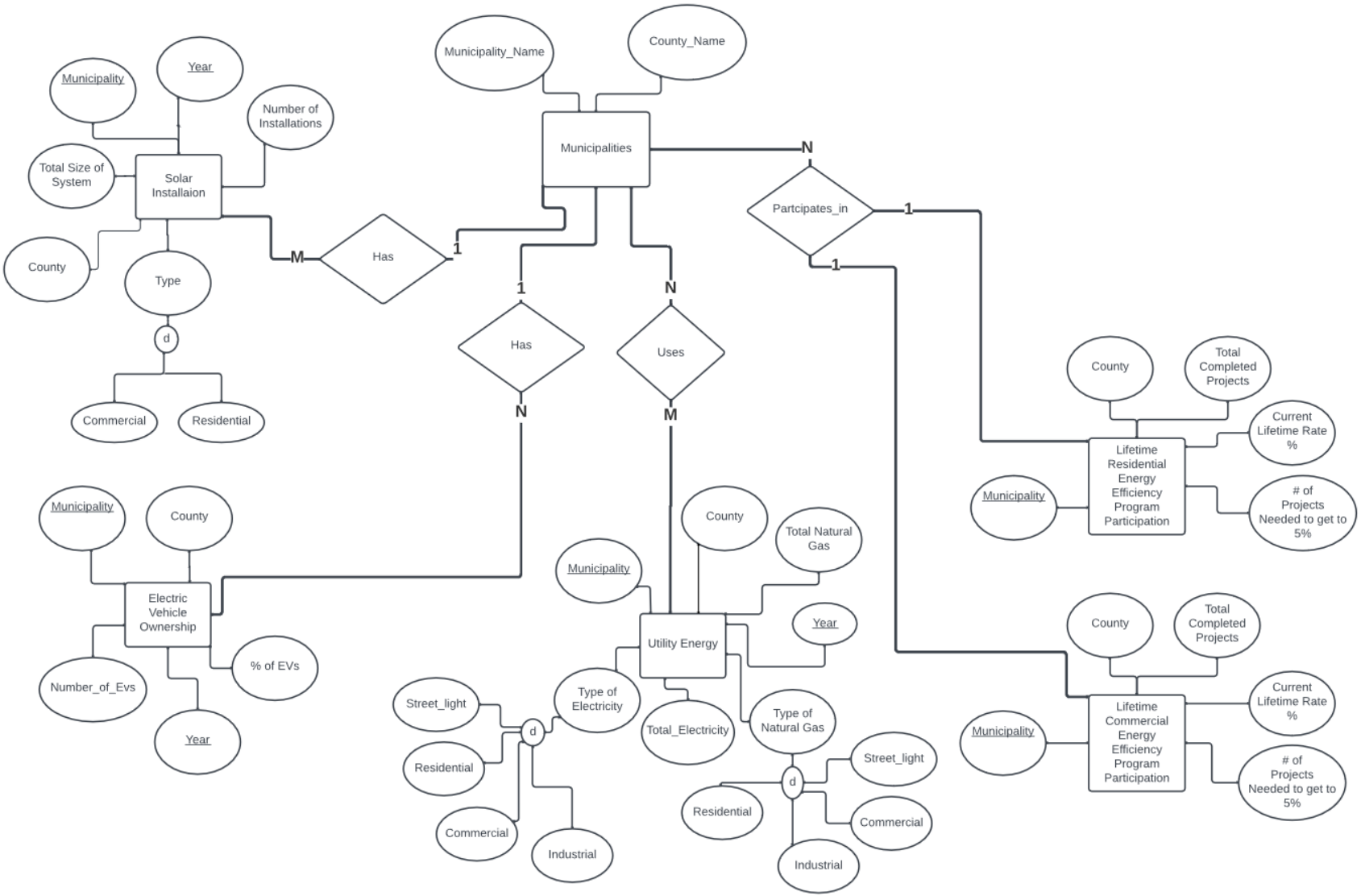
ER Diagram


Municipality_Name
County_Name
Municipalities
Year
Municipality
Number of Installations
Total Size of System
Solar Installaion
County
Type
d
Commercial
Residential
M
Has
1
N
Partcipates_in
1
1
Has
Uses
1
N
N
M
County
Total Completed Projects
Current Lifetime Rate %
Municipality
Lifetime Residential Energy Efficiency Program Participation
# of Projects Needed to get to 5%
Municipality
County
Electric Vehicle Ownership
Number_of_Evs
% of EVs
Year
County
Total Natural Gas
Municipality
Year
Utility Energy
Street_light
Type of Electricity
d
Residential
Commercial
Industrial
Total_Electricity
Type of Natural Gas
Street_light
d
Residential
Commercial
Industrial
County
Total Completed Projects
Current Lifetime Rate %
Municipality
Lifetime Commercial Energy Efficiency Program Participation
# of Projects Needed to get to 5%

Relational Schema

Relational Schema

Estimate database size and types and average number of searches

I. Database Size
   A. Table 1 (Municipalities)
      1. 565 rows x 2 columns = 1130
   B. Table 2 (Solar Installation)
      1. 1073 rows x 5 columns = 5365
   C. Table 3 (Electric Vehicle Ownership)
      1. 1129 rows x 5 columns = 5645
   D. Table 4 (Utility Energy)
      1. 3954 rows x 6 columns = 23724
   E. Table 5 (Lifetime Residential Energy Efficiency Program Participation)
      1. 554 rows x 5 columns = 2770
   F. Table 6 (Lifetime Commercial Energy Efficiency Program Participation)
      1. 554 rows x 5 columns = 2770

II. Average number of searches
   A. Correlation between EVs and Solar Installations
   B. Correlation between EVs and Energy data
   C. Correlation between Solar and Energy data
   D. Correlation between Energy data and Energy Efficiency Programs
   E. Correlation between EV's and Energy Efficiency Programs
   F. Correlation between Energy data and Energy Efficiency Programs
   G. Correlation between Solar and Energy Efficiency Programs
   H. TOTAL= ~ 7- 10 searches