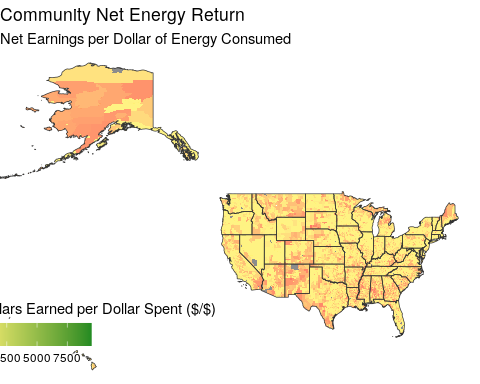
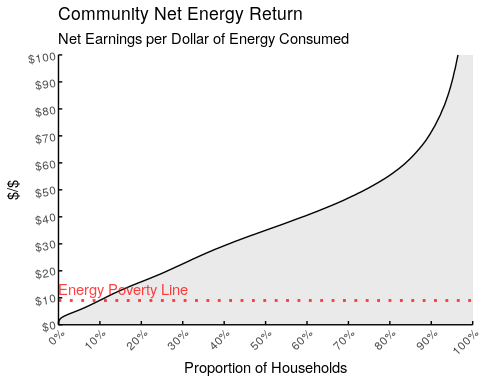
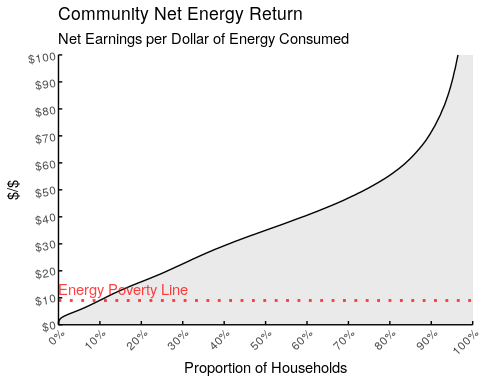
Net Energy Equity: Chartbook

Eric Scheier

2020-November-09





[1] "" ## 

## 

group

All

household\_count

113190073

total\_na

0

households\_below\_cutoff

11219150

metric\_max

9514.969

metric\_min

-15.88461

metric\_mean

39.34233

metric\_median

34.99679

metric\_upper

9514.969

metric\_lower

-15.88461

households\_pct

1

pct\_in\_group\_below\_cutoff

0.0991178

pct\_total\_below\_cutoff

1

[1] “state\_abbr” ##

## 

state\_abbr

AK

AL

AR

AZ

CA

CO

CT

DC

DE

FL

GA

HI

IA

ID

IL

IN

KS

KY

LA

MA

MD

ME

MI

MN

MO

MS

MT

NC

ND

NE

NH

NJ

NM

NV

NY

OH

OK

OR

PA

RI

SC

SD

TN

TX

UT

VA

VT

WA

WI

WV

WY

All

household\_count

243214.9

1636891.2

1027843.5

2302997.0

12541461.0

2032499.1

1358542.6

280928.2

333636.3

7030653.0

3415583.6

455800.1

1216048.6

571352.7

4726229.8

2450234.1

1082585.2

1545573.7

1528845.9

2583228.7

2166800.7

508398.2

3729054.9

2108059.6

2271430.1

952757.6

378031.2

3447941.4

296240.4

735121.7

501671.7

3184659.0

644480.7

1023185.6

7161584.3

4505718.4

1353514.7

1467742.3

4851249.4

407716.6

1597102.0

315398.8

2351356.7

8955483.3

930949.9

2993838.0

241531.3

2631476.9

2279227.5

632472.5

201728.4

113190072.7

total\_na

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

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0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

households\_below\_cutoff

17372.09

299136.18

150454.81

258688.06

551182.58

82035.23

172775.04

35036.68

35110.77

798145.51

516058.64

29118.17

95270.60

43813.75

459365.72

270584.88

122240.19

200645.13

284529.92

237496.30

171720.54

44451.81

477279.19

101051.95

306470.64

205814.01

36573.05

405571.28

21369.71

76388.76

29774.30

188714.21

73362.21

101902.21

649987.10

530751.90

178792.28

106811.35

544628.34

49642.56

235425.63

24887.45

291629.07

999158.57

39706.04

294335.41

18778.86

115491.33

138431.53

87250.34

13938.58

11219150.47

metric\_max

537.8373

727.1073

596.0465

862.2547

4033.9487

8006.5418

974.0425

492.5585

592.9940

3632.1957

1451.2742

1221.1246

1545.2319

1253.2895

803.4277

5419.0844

944.7369

1186.1454

245.4463

1118.9484

1460.5131

376.2280

3382.0784

2858.2403

1257.0491

882.4587

1036.2838

2085.2934

660.5120

532.8202

341.2668

2423.3422

561.1101

995.8739

9514.9691

879.5644

1662.9024

418.3557

1244.4850

154.4055

709.3422

921.1068

1355.6614

1193.8773

336.2390

2792.8906

245.1956

5659.2683

1104.1454

434.0972

1252.8170

9514.9691

metric\_min

-1.0000000

-2.4233532

-1.0000000

-8.8930049

-15.8846095

-3.1364101

-2.8656270

-1.0000000

-4.4468407

-13.6088562

-2.0098786

-1.0000000

-1.0000000

-1.0000000

-10.7484069

-3.5665825

-1.0000000

-1.0000000

-1.0000000

-3.5726444

-1.0000000

-2.1368264

-1.5678031

-1.4949941

-1.5808387

-1.0000000

-1.0000000

-1.0000000

-0.9836240

-1.0000000

-1.0000000

-1.0000000

-1.1384160

-1.0000000

-2.1843877

-3.6176829

-1.0000000

-1.0000000

-2.3117257

-1.0000000

-4.8595146

-1.0000000

-1.0000000

-5.6009878

-1.0000000

-2.0314087

-1.0000000

-1.5019885

-1.0000000

-1.0000000

-0.7364489

-15.8846095

metric\_mean

41.72383

23.84196

29.37589

32.95222

59.73556

63.92974

30.62411

71.48880

36.13517

35.93571

27.66972

47.11629

37.59974

36.55880

43.17053

29.70224

28.00938

30.82781

26.14360

36.53646

45.09501

31.03040

29.99227

51.79652

28.64475

22.54357

30.92672

35.69623

43.68156

30.64248

31.11992

49.74118

37.12150

37.59979

41.68347

30.51218

29.58582

42.68784

32.42434

29.52038

29.96665

39.05031

31.09271

34.85865

47.78959

39.86624

30.10542

57.08859

40.51525

28.03874

39.87504

39.34233

metric\_median

39.90031

23.87203

27.56352

34.25861

51.29089

55.94293

31.57439

56.34534

35.70111

34.97919

27.44754

43.37477

32.49359

36.81405

39.88590

28.82927

28.26458

29.21894

26.63317

34.83081

46.66433

30.79478

29.30547

45.82934

28.19879

23.20450

29.15831

32.19783

38.43020

28.88238

32.52878

46.86641

37.03450

39.64916

36.88176

29.40746

29.31800

42.21221

32.89412

32.43567

28.42069

33.28069

31.01706

34.08235

50.44608

37.18716

30.82514

51.51938

42.06610

28.88234

36.69919

34.99679

metric\_upper

537.8373

727.1073

596.0465

862.2547

4033.9487

8006.5418

974.0425

492.5585

592.9940

3632.1957

1451.2742

1221.1246

1545.2319

1253.2895

803.4277

5419.0844

944.7369

1186.1454

245.4463

1118.9484

1460.5131

376.2280

3382.0784

2858.2403

1257.0491

882.4587

1036.2838

2085.2934

660.5120

532.8202

341.2668

2423.3422

561.1101

995.8739

9514.9691

879.5644

1662.9024

418.3557

1244.4850

154.4055

709.3422

921.1068

1355.6614

1193.8773

336.2390

2792.8906

245.1956

5659.2683

1104.1454

434.0972

1252.8170

9514.9691

metric\_lower

-1.0000000

-2.4233532

-1.0000000

-8.8930049

-15.8846095

-3.1364101

-2.8656270

-1.0000000

-4.4468407

-13.6088562

-2.0098786

-1.0000000

-1.0000000

-1.0000000

-10.7484069

-3.5665825

-1.0000000

-1.0000000

-1.0000000

-3.5726444

-1.0000000

-2.1368264

-1.5678031

-1.4949941

-1.5808387

-1.0000000

-1.0000000

-1.0000000

-0.9836240

-1.0000000

-1.0000000

-1.0000000

-1.1384160

-1.0000000

-2.1843877

-3.6176829

-1.0000000

-1.0000000

-2.3117257

-1.0000000

-4.8595146

-1.0000000

-1.0000000

-5.6009878

-1.0000000

-2.0314087

-1.0000000

-1.5019885

-1.0000000

-1.0000000

-0.7364489

-15.8846095

households\_pct

0.002148730

0.014461437

0.009080686

0.020346280

0.110800008

0.017956514

0.012002312

0.002481916

0.002947575

0.062113689

0.030175646

0.004026856

0.010743421

0.005047728

0.041754808

0.021647076

0.009564312

0.013654675

0.013506890

0.022822043

0.019143027

0.004491544

0.032945070

0.018624068

0.020067397

0.008417324

0.003339791

0.030461518

0.002617195

0.006494577

0.004432117

0.028135497

0.005693792

0.009039535

0.063270428

0.039806657

0.011957893

0.012967058

0.042859319

0.003602052

0.014109912

0.002786453

0.020773524

0.079118982

0.008224660

0.026449652

0.002133856

0.023248301

0.020136285

0.005587703

0.001782209

1.000000000

pct\_in\_group\_below\_cutoff

0.07142694

0.18274653

0.14637910

0.11232671

0.04394883

0.04036175

0.12717675

0.12471755

0.10523666

0.11352367

0.15108945

0.06388363

0.07834441

0.07668425

0.09719496

0.11043226

0.11291507

0.12981919

0.18610765

0.09193778

0.07925073

0.08743502

0.12798932

0.04793600

0.13492409

0.21601929

0.09674612

0.11762708

0.07213637

0.10391308

0.05935017

0.05925727

0.11383149

0.09959308

0.09076024

0.11779518

0.13209482

0.07277255

0.11226558

0.12175753

0.14740801

0.07890790

0.12402588

0.11156947

0.04265111

0.09831374

0.07774917

0.04388841

0.06073616

0.13795119

0.06909581

0.09911780

pct\_total\_below\_cutoff

0.001548432

0.026662998

0.013410535

0.023057723

0.049128727

0.007312071

0.015400011

0.003122935

0.003129539

0.071141350

0.045998014

0.002595399

0.008491784

0.003905265

0.040944786

0.024118125

0.010895673

0.017884164

0.025361093

0.021168831

0.015306020

0.003962137

0.042541474

0.009007095

0.027316742

0.018344884

0.003259877

0.036149910

0.001904753

0.006808783

0.002653882

0.016820722

0.006539016

0.009082881

0.057935501

0.047307673

0.015936348

0.009520449

0.048544526

0.004424806

0.020984266

0.002218301

0.025993864

0.089058309

0.003539131

0.026235089

0.001673822

0.010294124

0.012338860

0.007776911

0.001242392

1.000000000

Note:

Grouped By: state\_abbr

[1] “housing\_tenure+in\_poverty” ##

## 

housing\_tenure

own

own

rent

rent

All

in\_poverty

Above AMI Poverty Line

Below AMI Poverty Line

Above AMI Poverty Line

Below AMI Poverty Line

All

household\_count

66520645

5230393

30726016

10713019

113190073

total\_na

0

0

0

0

0

households\_below\_cutoff

580916.2

4622504.2

173686.0

5842044.1

11219150.5

metric\_max

8006.5418

1545.2319

9514.9691

990.1566

9514.9691

metric\_min

0.2840233

-15.8846095

0.3567622

-4.2226488

-15.8846095

metric\_mean

41.701451

5.834201

50.064070

10.302361

39.342332

metric\_median

38.514148

4.862571

39.952554

8.446315

34.996790

metric\_upper

8006.5418

1545.2319

9514.9691

990.1566

9514.9691

metric\_lower

0.2840233

-15.8846095

0.3567622

-4.2226488

-15.8846095

households\_pct

0.92710359

0.07289641

0.74147518

0.25852482

1.00000000

pct\_in\_group\_below\_cutoff

0.008732871

0.883777608

0.005652734

0.545321917

0.099117795

pct\_total\_below\_cutoff

0.11164122

0.88835878

0.02887197

0.97112803

1.00000000

Note:

Grouped By: housing\_tenure+in\_poverty

## Demographic Features Available by Census Tract

* company\_na: Utility Company Name
* company\_ty: Utility Company Type
* eia\_id: EIA ID
* cust\_cnt: Utility Customer Count
* avg\_monthl: Average Monthly Consumption (kWh)
* avg\_mon\_01: Average Monthly Bill ($)
* dlrs\_kwh: Average Cost of Electricity ($/kWh)
* avg\_pbi\_us: Average State Residential Solar Production-based Incentive ($/kWh)
* avg\_cbi\_us: Average State Residential Solar Capacity-based Incentive ($/W)
* avg\_ibi\_pc: Average State Residential Solar Investment-based Incentive (%)
* hh\_size\_1: Number of 1 person households
* hh\_size\_2: Number of 2 person households
* hh\_size\_3: Number of 3 person households
* hh\_size\_4: Number of 4 person households
* fam\_med\_in: Median family income
* hh\_med\_inc: Median household income
* hh\_gini\_in: Household GINI Index of Income Inequality
* pop\_total: Total population
* pop\_male: Total male population
* pop\_female: Total female population
* pop\_us\_cit: Total US citizens
* pop\_nat\_us: Total naturalized US citizens
* pop\_non\_us: Total non-US citizens
* pop\_hispan: Total hispanics
* pop\_africa: Total african american population
* pop\_asian: Total asian population
* pop\_native: Total american indian/alaska native population
* pop\_caucas: Total caucasian population
* pop25\_some: Total population with at least some college education (Population 25 years and over)
* pop25\_high: Total population with a high school diploma (Population 25 years and over)
* pop25\_no\_h: Total population with less than a high school diploma (Population 25 years and over)
* pop\_med\_ag: Median age
* p16\_employ: Total employed (Population 16 years and over)
* p16\_unempl: Total unemployed (Population 16 years and over)
* fam\_childr: Total number of families with children under 6 years
* fam\_chi\_01: Total number of families with children ages 6-17 years
* pop\_over\_6: Total population over 65 years
* pop\_under\_: Total population under 18 years
* hu\_monthly: Total number of owner-occupied units with housing costs less than $1000/month
* hu\_mont\_01: Total number of owner-occupied units with housing costs greater than $1000/month
* hu\_own: Total number of owner occupied housing units
* hu\_rent: Total number of renter occupied housing units
* hu\_vintage: Number of occupied units built after 2010
* hu\_vint\_01: Number of occupied units built between 2000-2009
* hu\_vint\_02: Number of occupied units built between 1980-1999
* hu\_vint\_03: Number of occupied units built between 1960-1979
* hu\_vint\_04: Number of occupied units built between 1940-1959
* hu\_vint\_05: Number of occupied units built before 1939
* hu\_med\_val: Median value of owner-occupied housing units
* hu\_mortgag: Number of owner-occupied housing units with a mortgage
* hu\_no\_mort: Number of owner-occupied housing units without a mortgage
* aqi\_max: Max Air Quality Index
* aqi\_max\_de: Max Air Quality Index Description
* aqi\_90th\_p: 90th Percentile Air Quality Index
* aqi\_90t\_01: 90th Percentile Air Quality Index Description
* aqi\_median: Median Air Quality Index
* aqi\_med\_01: Median Air Quality Index Description
* hdd: Heating Degree Days
* hdd\_std: Heating Degree Days Standard Deviation
* hdd\_ci: Heating Degree Days Confidence Interval
* cdd: Cooling Degree Days
* cdd\_std: Cooling Degree Days Standard Deviation
* cdd\_ci: Cooling Degree Days Confidence Interval
* climate\_zo: Climate Zone
* climate\_01: Climate Zone Description
* moisture\_r: Moisture Regime
* locale: Locale
* total\_unit: Total Number of Active Public Housing Units
* active\_sub: Total Number of Active Subsidies
* avg\_months: Average Months of Tenancy
* fmr\_2br : Fair Market Rent - 2 BR
* occ\_rate : Occupancy Rate
* pct\_eli\_hh: Percent Extremely Low Income
* lihtc\_qual: Low Income Tax Credit Qualification