

Energy Waste Reduction Low Income Workgroup



September 5, 2024



Agenda

Welcome

Brad Banks,
Energy Waste Reduction Section, MPSC

EGLE Program Updates

Julie Staveland,
Assistant Division Director, EGLE

EPA Michigan and Region 5 Program Introductions

Jesse Casiano,
Senior Community Engagement Specialist, U.S. EPA

2024 Alice Report

Bobby Dorigo Jones,
Director of ALICE and Public Policy, Michigan DHHS

Close & Adjourn

Brad Banks,
Energy Waste Reduction Section, MPSC

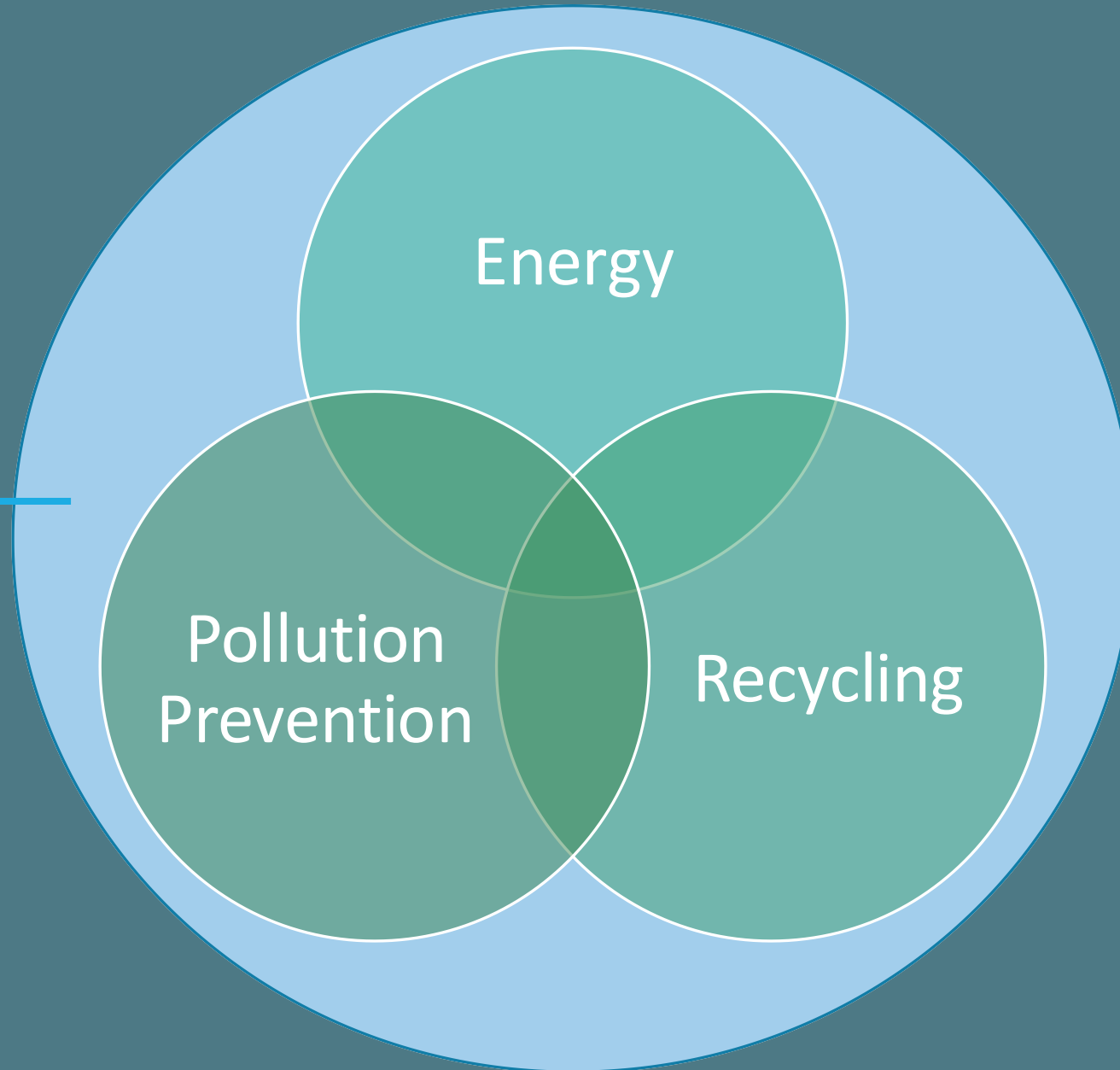


MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

SUSTAINABILITY SECTION: ENERGY, POLLUTION PREVENTION AND RECYCLING IN MICHIGAN

Julie Staveland, Assistant Division Director
Materials Management Division

MI Healthy Climate Plan



Online Resources:

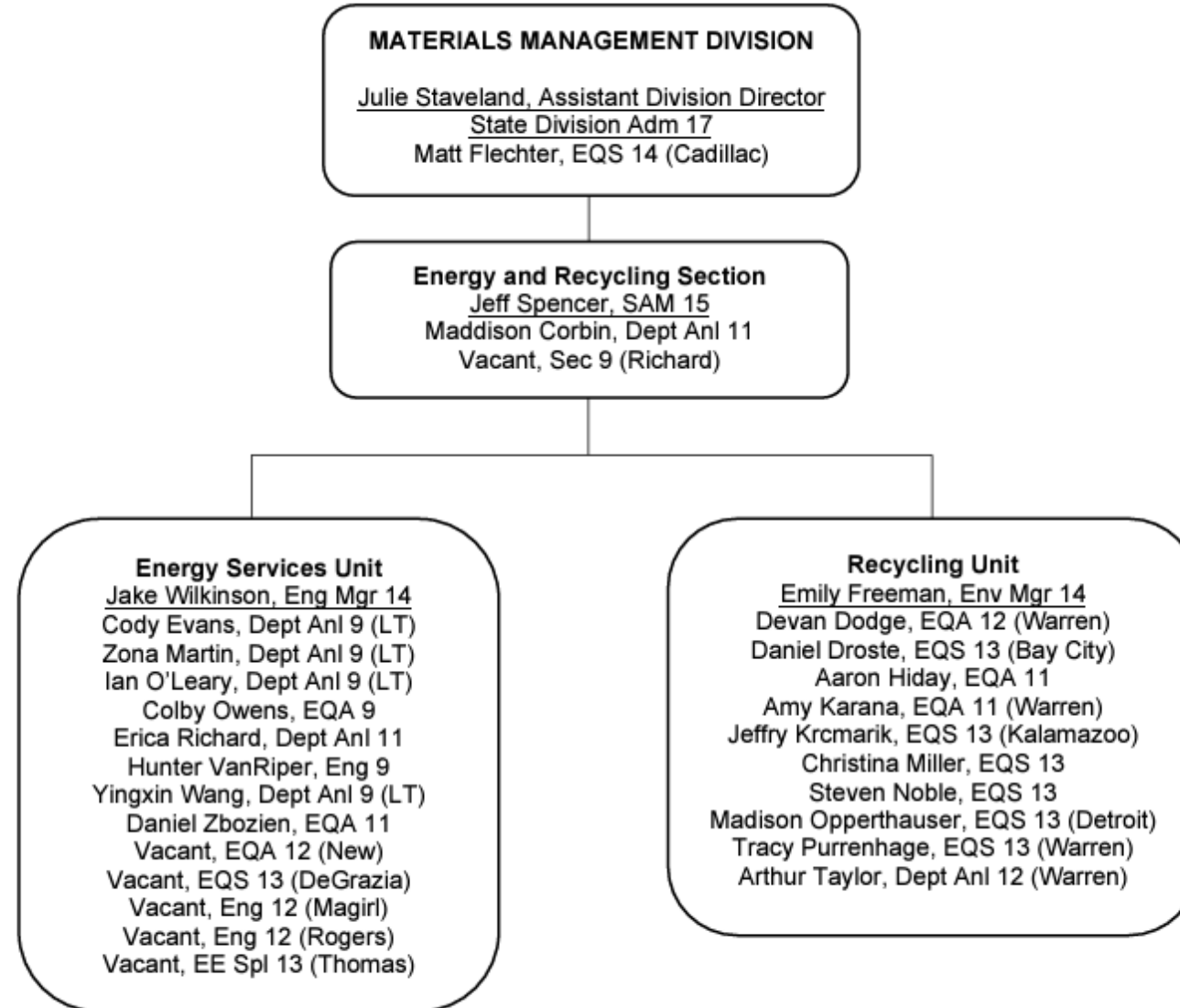
www.Michigan.gov/energy

www.Michigan.gov/mirecycles

www.Michigan.gov/p2

www.Michigan.gov/climate

ORG CHART



PROGRAMS



Communities

Local Governments, Non-profits, and K-12 Schools

Industry

Agriculture, Rural Businesses, and Small Manufacturers

Access

Equitable Access to Renewable Energy and Recycling

Mobility

Clean Transportation and EV Infrastructure

Workforce

Education and Workforce Development

ENERGY PROGRAMS

- Energy Planning & Policy, Technical Assistance (ongoing)
- Catalyst Communities & CC Leadership Circle (ongoing)
- Renewable Ready Communities & Academy (ongoing)
- Community Energy Management (closes 12/31/24)
- Agriculture & Rural Businesses (closed, reopens in Nov.)
- Small Manufacturer Retooling (closed, reopens in Nov.)
- Codes Compliance Collaborative (ongoing)
- Clean Energy Workforce Development (closes 7/31/25)
- Grid Resiliency (closed, reopens in Nov.)
- Optimized EV Charger Placement Plan (ongoing)
- Charge Up Michigan & Lake MI Circuit (closed, reopens in Nov.)
- Hydrogen Hub (New – opens in late fall/early winter)
- Clean Tech, Climatech, Circular Economy Accelerator (C3) (ongoing)
- Clean Energy for Low-Income Communities Access (CELICA)
- MI Solar Access (closes 3/31/25)
- RESTART (ongoing)
- Home Energy Rebates (soft launch Nov., full launch Jan.)
- Training for Residential Energy Contractors (TBD)



www.Michigan.gov/energy

CATALYST COMMUNITIES INITIATIVE

Multi-tiered approach to providing communities with the resources and actions local governments can take towards a just transition to decarbonization.

- Online Resources, local examples
- Webinars, live and recorded
- Workshops and pre-conferences
- Cohorts



www.Michigan.gov/CatalystCommunities

POLLUTION PREVENTION PROGRAMS

- Technical Assistance (ongoing)
- Zero Food Waste Pilot (closed)
- Food Waste Reduction Implementation (opens Nov.)
- Organics (closed, reopens Nov.)
- Diesel Emission Reduction (closed, reopens Jan.)
- Fuel Transformation Program (closed, reopens Feb.)
- Michigan Green Communities (ongoing)



www.Michigan.gov/P2



MICHIGAN **GREEN** COMMUNITIES

What is MGC?



A sustainability benchmarking & technical assistance program for municipalities & counties



Accelerate environmentally sustainable actions by communities **to enhance Michigan's livability & economic competitiveness** in the 21st century global green economy



Benefits to Participating

- Free technical assistance
- Access to a peer network
- Easily create a roadmap of sustainability actions that work for your community



- Technical Assistance (ongoing)
- Recycling Infrastructure
- Quality Improvement (ongoing)
 - The Recycling Partnership
- Education & Outreach (ongoing)
 - Know it Before You Throw It - Recycling Racoons
 - Small Community Education Grants
- Recycling Market Development
 - NextCycle Michigan (ongoing)
 - Circular Economy (closed, reopens 2025)
- Critical Minerals (closed)
- Electronics (open)
- Part 115 Planning (ongoing)

www.Michigan.gov/MIrecycles

RECYCLING PROGRAMS





NEXTCYCLE MICHIGAN



ACCELERATOR PLATFORM

121 teams since
launch in 2020;
11 Cohorts

Over **\$140k in
sponsored awards**
to date.



PARTNERSHIP NETWORK

125 Partners engaged
in the Network

**\$692M tracked
investment** for circular
economy solutions



DATA GUIDING OPPORTUNITIES

**2023 Gap Analysis
Update** evaluating
the state of
recycling in
Michigan and
opportunities for
solutions.

Driving a Circular Economy through Partnership & Innovation



EGLE MMD IJA & IRA STIMULUS FUNDING

* Partnering with other State agencies **competitive not formula

INFRASTRUCTURE INVESTMENT & JOBS ACT (IIJA)

- State Energy Program Supplemental
- Energy Efficiency Revolving Loan Fund
- Energy Efficiency & Conservation Block Grant
- Grid Resiliency 40101d
- Resilient & Efficient Codes Implementation*
- Energy Auditor Training
- Solid Waste Infrastructure for Recycling
- National Electric Vehicle Infrastructure*
- Smart Manufacturing and Recycling Tactics for States

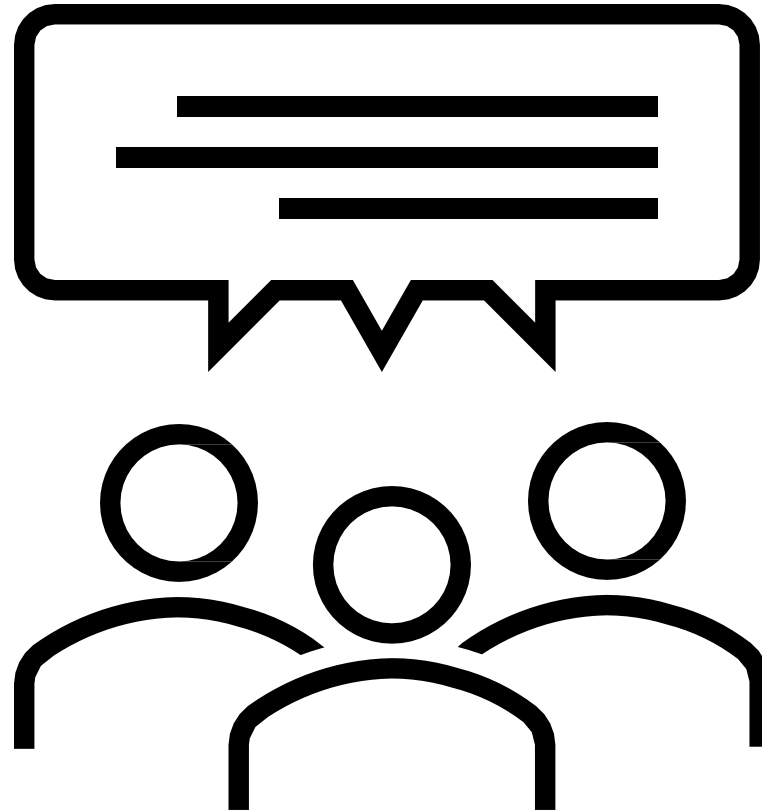
State Supplemental Funding FY24

- Renewable Ready Communities
- Critical Minerals Recycling
- Reverse Vending

INFLATION REDUCTION ACT (IRA)

- Climate Pollution Reduction*
- Greenhouse Gas Reduction Fund*
- Home Energy Efficiency Rebates (50121)
- Home Electric & Appliance Rebates (50122)
- Rural Energy for America Program - Technical Assistance Grant**
- Training for Residential Energy Contractors
- Clean Heavy-Duty Vehicle Program
- Renewables Siting through Technical Engagement and Planning (R-STEP)**

QUESTIONS & DISCUSSION



Michigan Department of
Environment, Great Lakes, and Energy



www.Michigan.gov/energy

www.Michigan.gov/mirecycles

www.Michigan.gov/p2

Julie Staveland

stavelandj@Michigan.gov

Meet ALICE: Financial Hardship in Michigan

Bobby Dorigo Jones, Director of ALICE and Public Policy

Michigan Association of United Ways

September 5, 2024

Michigan Association of United Ways

- ▶ Represent a Network of **33 Local United Ways** across Michigan
- ▶ Brought ALICE to Michigan in **2014** and continue to with funding from **Consumers Energy Foundation**

How Do You Budget?

Add Up Your Costs
(food, housing, transportation)

Multiply your food costs by 3

How Does Federal Gov't Calculate Poverty?

Add Up Household Costs

(food, housing, transportation, etc)

Multiply food costs by 3

How Does Federal Gov't Calculate Poverty?

Add Up Household Costs
(food, housing, transportation, etc)

Multiply food costs by 3

The ALICE Project:

The cost to LIVE and WORK in
modern economy

WHO can afford it in MICHIGAN

Who is ALICE?

ALICE is ALL OF US.

ALICE is ESSENTIAL.

WHAT BENEFITS ALICE,
BENEFITS US ALL.

MEET ALICE

Asset Limited, Income Constrained, Employed – households that **earn above the Federal Poverty Level (FPL)** but **cannot afford the basic cost of living in their county**. Despite struggling to make ends meet, ALICE households often do not qualify for public assistance.

The ALICE Report

- ▶ Grew from a single county pilot project in Morris County, NJ in 2009 to a **national movement** with 30 (and counting) partner states:
- ▶ The ALICE Report creates an estimate of household financial stability based on **unbiased data that is replicable, easily updated on a regular basis, and sensitive to local context.**
- ▶ Each ALICE report contains data on **household budgets, demographics, employment opportunities, housing affordability, public and private assistance, and other critical economic factors.**
- ▶ Report methodology is **reviewed biennially by outside experts** and each state report is supported with an **independent Research Advisory Committees** of local data and subject-matter experts.

Key Terms

- ▶ **ALICE: Asset Limited, Income Constrained, Employed** – households that **earn above the Federal Poverty Level** (FPL) but **cannot afford the basic cost of living in their county**. Despite struggling to make ends meet, ALICE households often do not qualify for public assistance.
- ▶ **Household Survival Budget:** The cost of household essentials including **housing, child care, food, transportation**, and a **smartphone plan**, plus **taxes**.
- ▶ **ALICE Threshold:** The **minimum average income** that a household needs **to afford the essentials** in the Household Survival Budget.
- ▶ **Poverty:** Households earning **below the Federal Poverty Level**

The Household Survival Budget

Housing



Child Care



Food



Transportation



Technology



Health Care



Taxes



Miscellaneous



The Household Survival Budget

Category	Description
Housing	Rent: Fair Market Rent (40 th percentile) for an efficiency, one-bedroom, or two-bedroom apartment (based on family size), adjusted in metro areas using the American Community Survey (ACS) – minus utilities Utilities: As captured by the Community Expenditure Survey (CEX) Update: Costs of rent and utilities are now shown separately.
Child Care	Cost for registered Family Child Care Homes for infants (0–2 years), preschool-age (3–4), and school-age children (5–12)
Food	USDA Thrifty Food Plan by age with county variation from Feeding America Update: A change in legislation requires the USDA Thrifty Food Plans to reflect the cost for resource-constrained households to purchase a healthy, practical diet.
Transportation	Operating costs for a car (average daily miles by age, cost per mile, license, fees, and insurance), or public transportation where viable

The Household Survival Budget

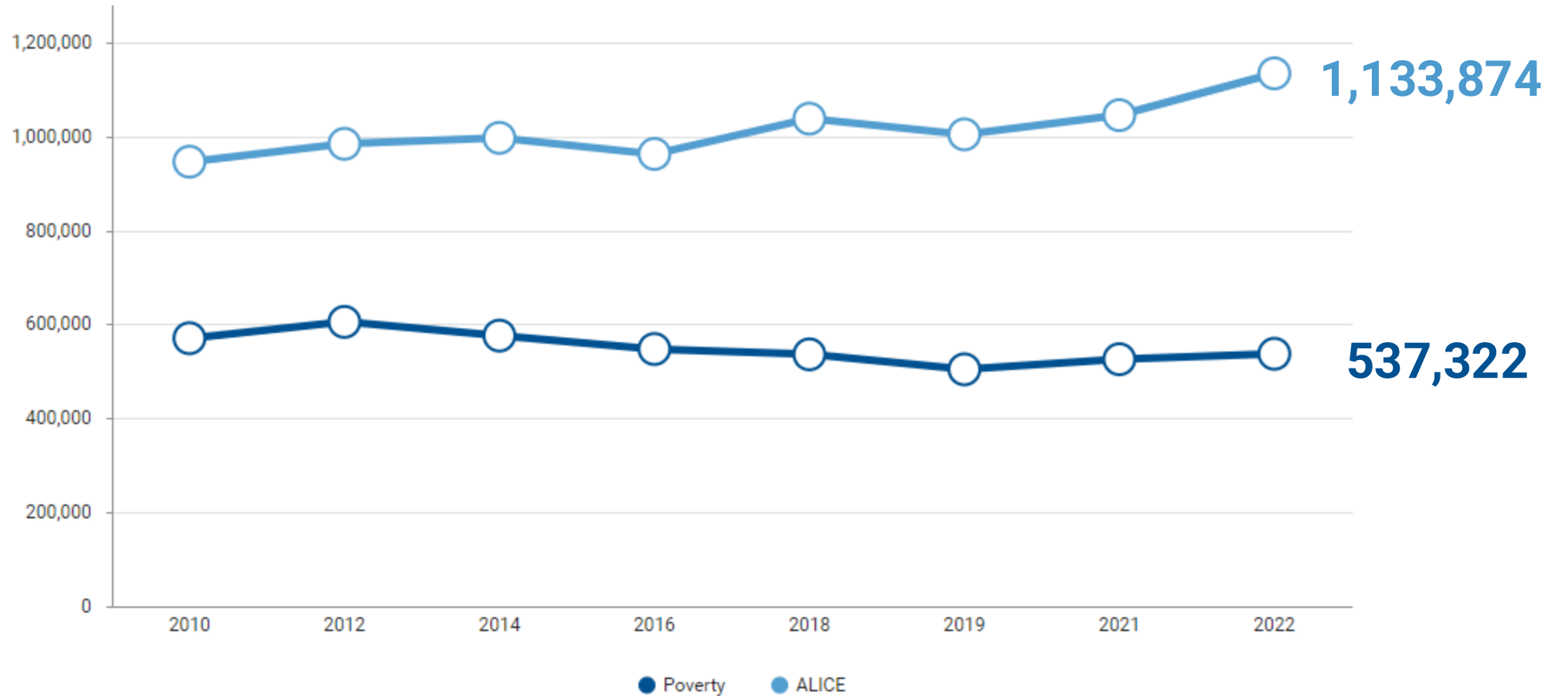
Category	Description
Health Care	Health insurance premiums based on employer-sponsored plans plus out-of-pocket costs for households with \$40,000–\$69,000 annual income by age, weighted with the poor-health multiplier. For the senior budget, cost of Medicare Part A and B, out-of-pocket costs, plus average out-of-pocket spending for the top five chronic diseases as reported by CMS.
Technology	Smartphone plan with unlimited data for each adult in a household and a basic broadband internet plan.
Miscellaneous	Cost overruns estimated at 10% of the budget, excluding taxes, to cover one-time unanticipated costs within the other categories
Taxes	Federal, state, and local taxes owed on the amount of income to cover the Survival Budget, as well as tax credits, including the Child Tax Credit (CTC) and the Child and Dependent Care Tax Credit (CDCTC)

The Household Survival Budget

	Federal Poverty Level <u>Census income thresholds</u> that vary by household size but not geography to determine who is in poverty	ALICE Household Survival Budget The cost of the essentials needed to live and work in the modern economy, by household type and location
Family of Four		
Monthly Total	\$2,600	\$6,124
Annual Total	\$31,200	\$73,488
Single Adult		
Monthly Total	\$1,255	\$2,281
Annual Total	\$15,060	\$27,372

ALICE in Michigan

► 41% of Households below the ALICE Threshold - 100,000 new ALICE Households in 2022



Household Survival Budget, Michigan, 2022

Monthly Costs and Credits	Single Adult	One Adult, One Child	One Adult, One In Child Care	Two Adults	Two Adults Two Children	Two Adults, Two In Child Care	Single Senior	Two Seniors
Housing - Rent	\$439	\$414	\$414	\$414	\$535	\$535	\$439	\$414
Housing - Utilities	\$163	\$258	\$258	\$258	\$310	\$310	\$163	\$258
Child Care	\$0	\$199	\$530	\$0	\$398	\$1,110	\$0	\$0
Food	\$453	\$769	\$690	\$831	\$1,397	\$1,234	\$418	\$767
Transportation	\$462	\$596	\$596	\$703	\$1,113	\$1,113	\$398	\$575
Health Care	\$174	\$383	\$383	\$383	\$601	\$601	\$533	\$1,066
Technology	\$86	\$86	\$86	\$116	\$116	\$116	\$86	\$116
Miscellaneous	\$178	\$271	\$296	\$271	\$447	\$502	\$204	\$320
Tax Payments	\$326	\$668	\$735	\$442	\$891	\$1,036	\$394	\$698
Tax Credits	\$0	(\$206)	(\$217)	\$0	(\$412)	(\$433)	\$0	\$0
Monthly Total	\$2,281	\$3,438	\$3,771	\$3,418	\$5,396	\$6,124	\$2,635	\$4,214
ANNUAL TOTAL	\$27,372	\$41,256	\$45,252	\$41,016	\$64,752	\$73,488	\$31,620	\$50,568
Hourly Wage	\$13.69	\$20.63	\$22.63	\$20.51	\$32.38	\$36.74	\$15.81	\$25.28

Household Stability Budget, Michigan, 2022

Monthly Costs and Credits	Single Adult	Two Adults	Two Adults Two Children	Two Adults, Two In Child Care
Housing - Rent	\$675	\$798	\$1,129	\$1,129
Housing - Utilities	\$163	\$258	\$310	\$310
Child Care	\$0	\$0	\$597	\$1,666
Food	\$683	\$1,271	\$2,317	\$1,960
Transportation	\$1,008	\$1,283	\$1,766	\$1,766
Health Care	\$192	\$418	\$672	\$672
Technology	\$86	\$116	\$116	\$116
Miscellaneous	\$281	\$414	\$691	\$762
Savings	\$281	\$414	\$691	\$762
Tax Payments	\$596	\$805	\$1,535	\$1,729
Tax Credits	\$0	\$0	(\$433)	(\$433)
Monthly Total	\$3,965	\$5,777	\$9,391	\$10,439
ANNUAL TOTAL	\$47,580	\$69,324	\$112,692	\$125,268
Hourly Wage	\$23.79	\$34.66	\$56.35	\$62.63

Work and Wages

- ▶ In Michigan, **75%** of our 20 most common occupations **paid less than \$20 per hour.**

ALICE Demographics and Equity

	Total	Below ALICE Threshold	■ Poverty ■ ALICE ■ Above ALICE Theshold
ALL HOUSEHOLDS	4,029,761	1,570,724	<div style="display: flex; justify-content: space-between; align-items: center;"> 13% 26% 61% </div>
RACE/ETHNICITY			
American Indian/ Alaska Native	17,657	8,696	<div style="display: flex; justify-content: space-between; align-items: center;"> 15% 35% 51% </div>
Asian	106,895	27,041	<div style="display: flex; justify-content: space-between; align-items: center;"> 8% 17% 75% </div>
Black	527,439	311,811	<div style="display: flex; justify-content: space-between; align-items: center;"> 21% 39% 41% </div>
Hispanic	152,075	66,738	<div style="display: flex; justify-content: space-between; align-items: center;"> 10% 34% 56% </div>
Native Hawaiian/ Pacific Islander	813	445	<div style="display: flex; justify-content: space-between; align-items: center;"> 23% 31% 45% </div>
Two or More Races	143,908	62,353	<div style="display: flex; justify-content: space-between; align-items: center;"> 12% 32% 57% </div>
White	3,085,308	1,099,177	<div style="display: flex; justify-content: space-between; align-items: center;"> 8% 27% 64% </div>

ALICE Demographics and Equity

	Total	Below ALICE Threshold	■ Poverty ■ ALICE ■ Above ALICE Theshold
ALL HOUSEHOLDS	4,029,761	1,570,724	<div style="display: flex; justify-content: space-around; width: 100%;"> 13% 26% 61% </div>
AGE			
Under 25 Years	158,806	105,408	<div style="display: flex; justify-content: space-around; width: 100%;"> 37% 30% 34% </div>
25 to 44 Years	1,221,543	405,157	<div style="display: flex; justify-content: space-around; width: 100%;"> 14% 19% 67% </div>
45 to 64 Years	1,499,229	475,561	<div style="display: flex; justify-content: space-around; width: 100%;"> 12% 20% 68% </div>
Seniors (65+)	1,150,183	584,598	<div style="display: flex; justify-content: space-around; width: 100%;"> 11% 40% 49% </div>

ALICE Demographics and Equity

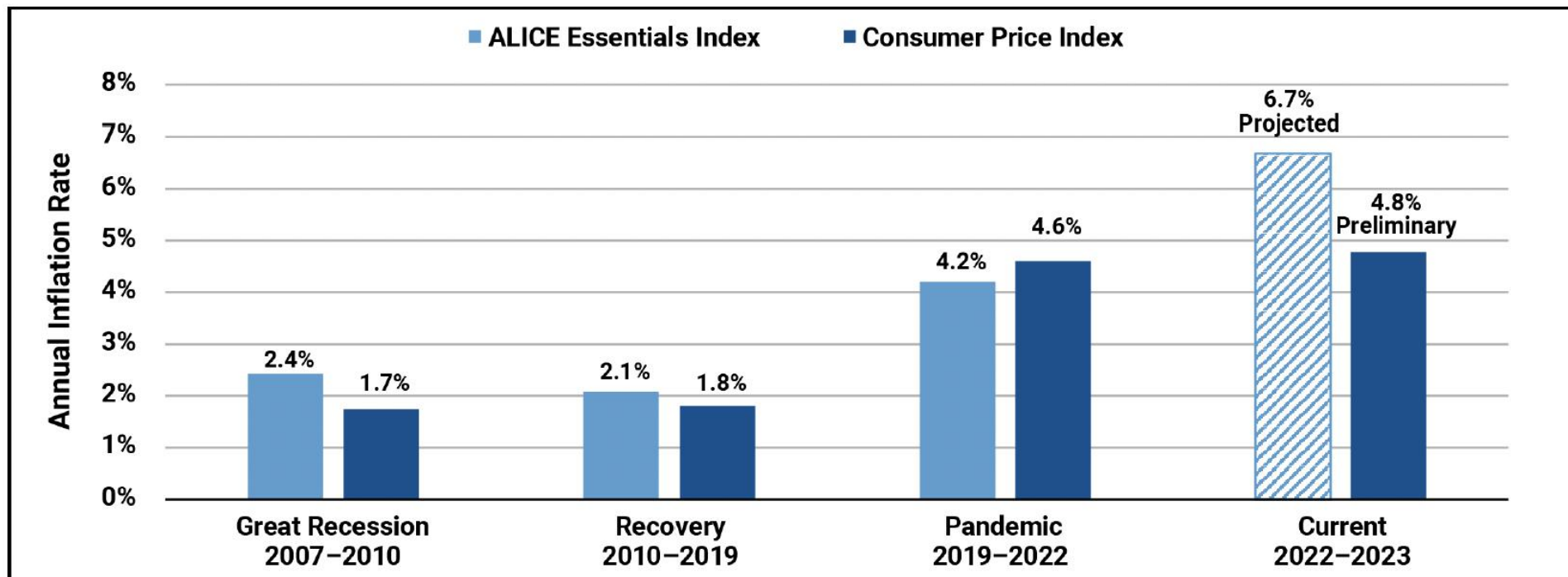
	Total	Below ALICE Threshold	■ Poverty ■ ALICE ■ Above ALICE Theshold
ALL HOUSEHOLDS	4,029,761	1,570,724	<div style="display: flex; justify-content: space-between; align-items: center;"> 13% 26% 61% </div>
HOUSEHOLD TYPE			
Married With Children	664,885	96,172	<div style="display: flex; justify-content: space-between; align-items: center;"> 6% 8% 86% </div>
Single-Female-Headed With Children	246,552	175,580	<div style="display: flex; justify-content: space-between; align-items: center;"> 41% 30% 29% </div>
Single-Male-Headed With Children	94,865	48,160	<div style="display: flex; justify-content: space-between; align-items: center;"> 21% 30% 49% </div>
Single or Cohabiting, Under 65, no Children	1,873,276	666,214	<div style="display: flex; justify-content: space-between; align-items: center;"> 13% 23% 64% </div>

ALICE Demographics and Equity

	Total	Below ALICE Threshold	■ Poverty ■ ALICE ■ Above ALICE Theshold
ALL HOUSEHOLDS	4,029,761	1,570,724	13% 26% 61%
URBAN/RURAL			
Rural	692,521	294,970	13% 29% 57%
Urban	3,337,240	1,275,754	13% 25% 62%

ALICE Essentials and Inflation

- ▶ The ALICE Essentials Index has **continued to outpace inflation** during nearly every time period since the Great Recession.



Where Are Things Going?

- ▶ **ALICE targeted or cited increasingly across public & private sectors:**

- ▶ LEO; Michigan Statewide Housing Plan

- ▶ Health systems & credit unions adjusting strategies to focus on ALICE

- ▶ **ALICE is in statute**

- ▶ As the income standard for one workforce development program (New Jobs Training program)

- ▶ **What if every sector acted to uplift ALICE?**

Creating Solutions for ALICE

Knowing ALICE in your community can help you grow your impact in:

- ▶ Reducing Energy Burdens on Low-Income Households
- ▶ Building and Employing an Energy Workforce

Reducing Energy Burdens on Low-Income Households

Knowing ALICE can help you **ensure that your offerings** are designed to help community members achieve a **bright financial future**

Reducing Energy Burdens on Low-Income Households

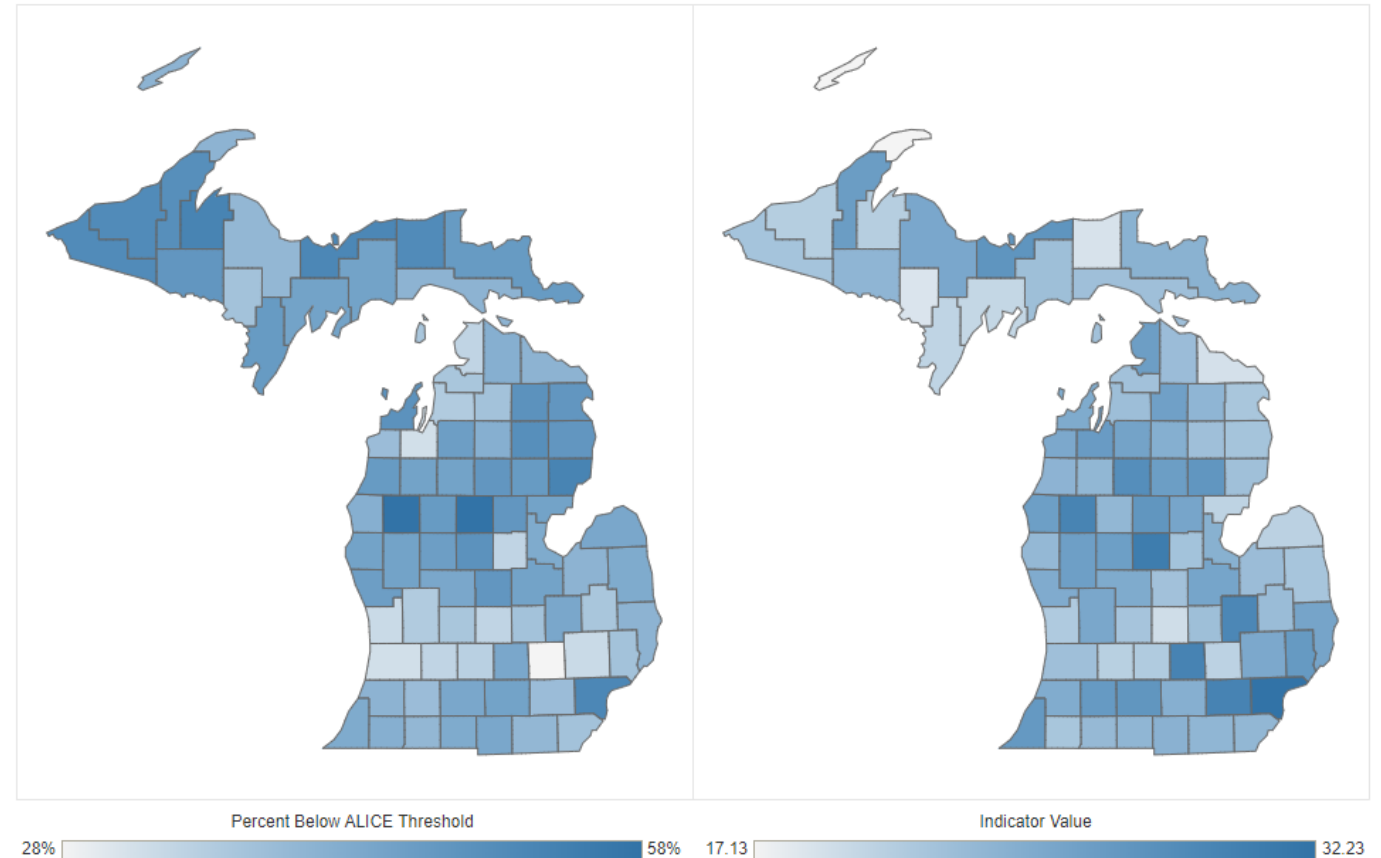
Percent Below ALICE Threshold, 2022 and Housing Problems, 2020

Indicator of Well-Being: Housing Problems

Cost burden AND

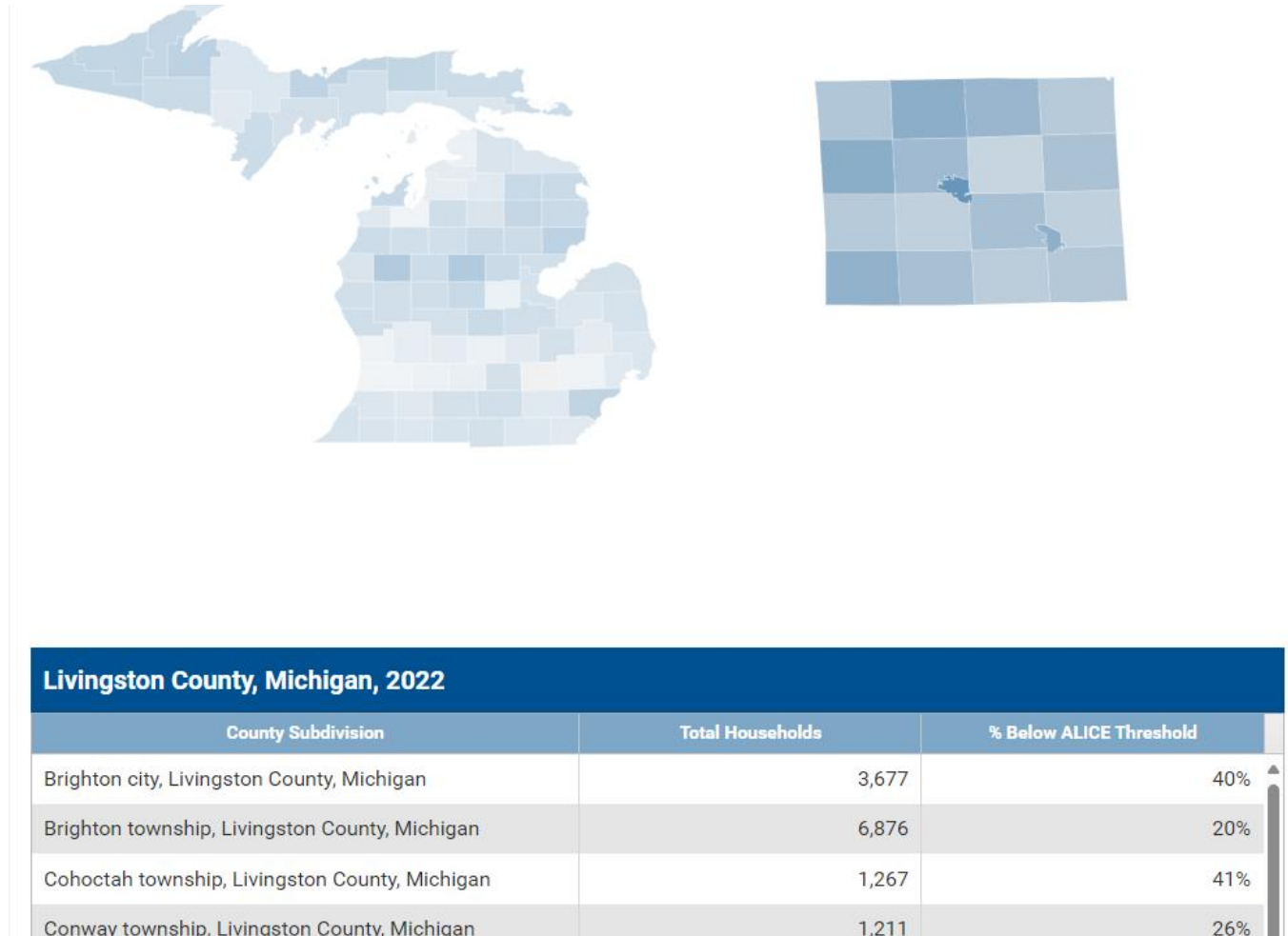
At least one of:

- *Incomplete kitchen facilities*
- *Incomplete plumbing facilities*
- *Overcrowding (over 1.5 people/room)*



unitedforalice.org/well-being/michigan

Reducing Energy Burdens on Low-Income Households



unitedforalice.org/county-reports/michigan

Reducing Energy Burdens on Low-Income Households

211 Michigan Legislative District Profiles

Aiyash, Abraham
House District # **9**

Select a chamber, member, and a date range to see the total number of people connecting with 211, the top 3 reasons for connecting (needs) and whether or not 211 was able to provide referral information to services and programs. In addition, top counties, cities, and zip codes from where the requests came from are provided.

Overall District Activity: **4,640** Total Connections, **5,603** Total Needs, **5,388** Needs Met, **215** Needs Unmet

To find out more about what services were requested in each need, right click on a number below and select "Drill through > Needs Breakdown."

Category	Service Needs	Met Needs	Percent Met Needs	Unmet Needs	Percent Unmet Needs
Housing	1,628	1,564	96%	64	4%
Utility Assistance	1,360	1,292	95%	69	5%
Transportation	764	751	98%	13	2%

Top Counties	Total Connections
Wayne	4,640

Top Zip Codes	Total Connections
48213	1,246
48201	800
48212	716

General Inquires: inquiries@mi211.org | Data Inquiries: data@mi211.org | Photo by: [Kenneth Garcia](#) | Last data update: 8/31/2024

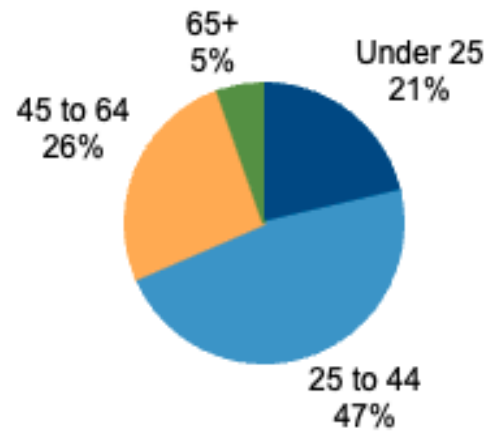
<https://mi211.org/legislators> (near bottom)

Building and Employing an Energy Workforce

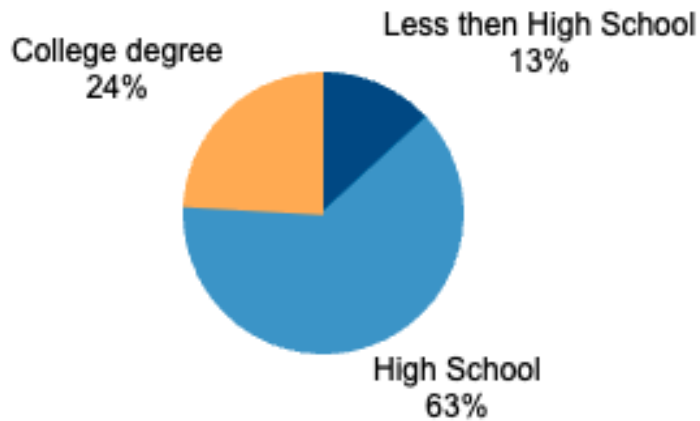
Knowing ALICE can help you make **targeted investments** into your **human resources** and **workforce development** strategies

Below ALICE Threshold Worker Characteristics

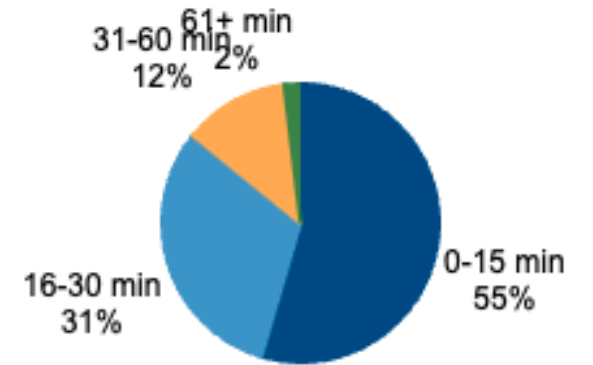
Age



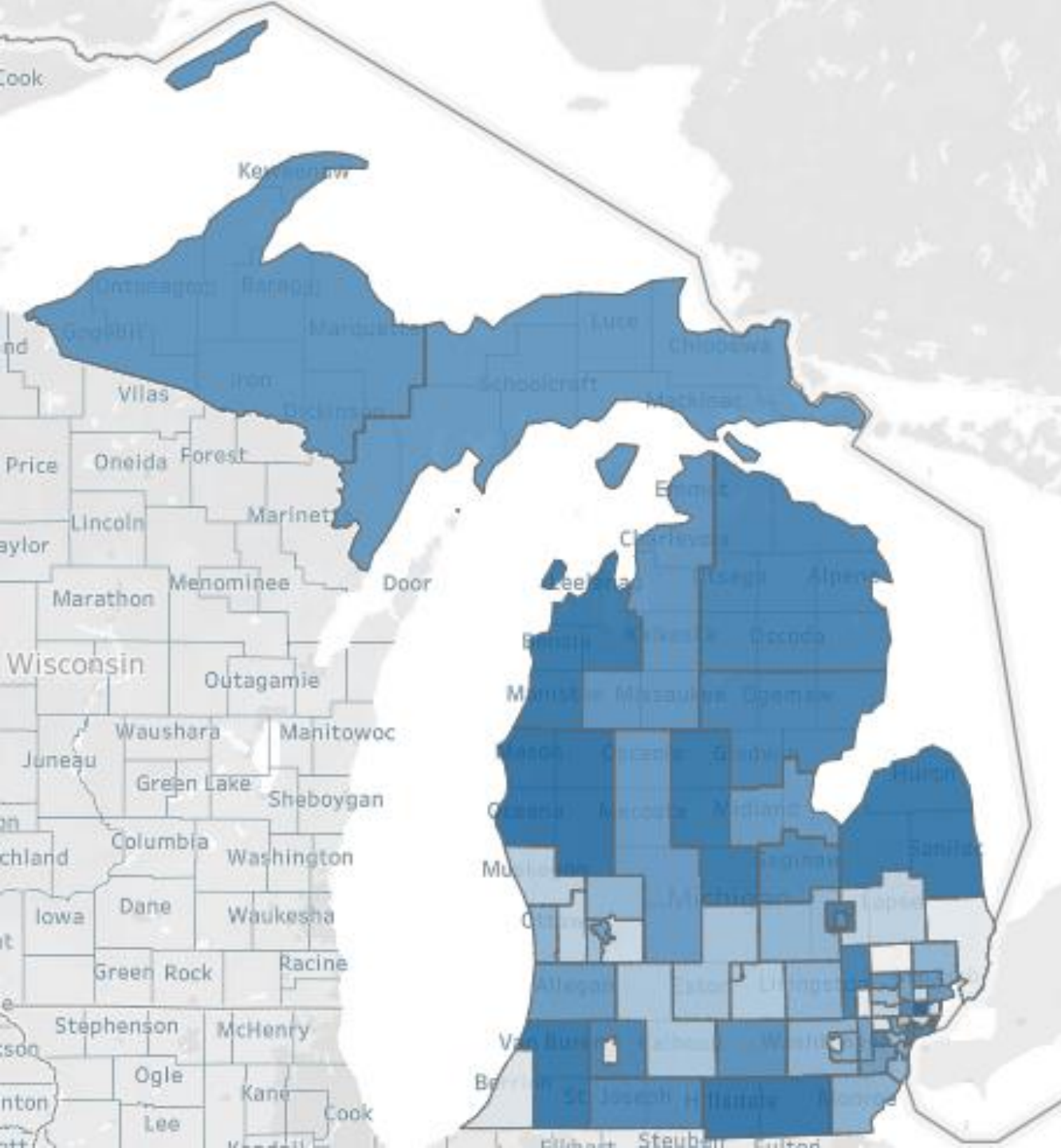
Educational Attainment



Commute Time



unitedforalice.org/ALICE-EVD



See Your Region

ALICE Economic Viability Dashboard

unitedforalice.org/ALICE-EVD

Reducing Energy Burdens on Low-Income Households

Calculate any household survival budget for any county online

Just over halfway down the page

ALICE Household Survival Budget Calculator

Use this tool to view the ALICE Household Survival Budget in your County for additional household combinations, or to compare to counties in ALICE Partner States. Select up to 6 adults (including those under and over 65 years of age) and up to 6 children (under 18 years of age).

STATE
Michigan

COUNTY
Monroe

ADULTS (AGE 18-64) (Max 6 over age 18)
1

ADULTS (AGE 65+)
0

INFANTS (AGE 0-2) (Max 6 under age 18)
1

PRESCHOOLERS (AGE 3-4)
1

SCHOOL-AGE CHILDREN (AGE 5-17)
0

ALICE Household Survival Budget Calculator, Monroe County, Michigan, 2022	
Categories	Monthly Costs and Credits
Housing - Rent	\$654
Housing - Utilities	\$287
Child Care	\$1,125
Food	\$883
Transportation	\$831
Health Care	\$559
Technology	\$86
Miscellaneous	\$443
Tax Payments	\$1,141
Tax Credits	(\$433)
Monthly Total	\$5,576
ANNUAL TOTAL	\$66,912
Hourly Wage	\$33.46

unitedforalice.org/household-budgets/michigan

Explore: ALICE Online Research Center

- ▶ United for ALICE – Online Research Center

- ▶ County Profiles – including ALICE rates by zip code & municipality
- ▶ Demographic ALICE rate breakdowns and trends
- ▶ Labor force statistics for ALICE
- ▶ Economic Viability Dashboard
- ▶ Indicators of Well-Being (newly funded by Michigan Credit Union Foundation)

United Way & 2-1-1 stand ready to partner

for energy affordability for ALICE

Questions + Discussion

Bobby Dorigo Jones, Director of ALICE & Public Policy

Michigan Association of United Ways

bobby.dorigojones@uwmich.org | 517-877-2850

Close & Adjourn

Thank You!