Caste: An artificial construction...a hierarchy favoring the dominant caste...

(From Caste: The Origins of Our Discontents by Isabel Wilkerson)
ABOUT ME

Nashville
BSME
M. A. Civic Leadership
Co-Minister of OHB church of Christ
President of Tennessee Solar Energy Association
Founder of Energy Electives

Professional Certifications
LEED AP
NABCEP
BPI
PEM

ENERGY ELECTIVES LLC
The Dominant Caste: The Tennessee Valley Authority (The TVA)

TVA is the nation’s largest public power utility.

Generates and transmits electric power to 9 million people.

TVA sells electricity to 154 local power companies and 58 directly served industries and federal facilities.

No PUC, Board appointed by POTUS
The Artificial Construction: Solar Policy

Source: ‘Solar in the Southeast’ by Southern Alliance for Clean Energy
The Artificial Construction: Solar Policy

TENNESSEE VALLEY AUTHORITY
In 2019, TVA released an IRP promoting “up to” 14 GW, or 14,000 MW, of solar over the next 20 years. Despite these exaggerated and misleading claims, the actual plan for solar in the Tennessee Valley significantly trails the other comparably-sized utility systems in the region.

Source: ‘Solar in the Southeast’ by Southern Alliance for Clean Energy
The Artificial Construction: Residential Solar Policy

Premium Paid by TVA Above Retail

12 cents – until 2012
9 cents – in 2013
2 cents – in 2015
0 cents – in 2017 (net metering)

No residential program in 2020
The Artificial Construction: Residential Solar Policy
## The Artificial Construction: The Results

### Demographics of TN Solar Worker

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women</td>
<td>20.3%</td>
<td>31.7%</td>
</tr>
<tr>
<td>African Americans</td>
<td>0%</td>
<td>7.4%</td>
</tr>
<tr>
<td>Latino or Hispanic</td>
<td>2.2%</td>
<td>7.2%</td>
</tr>
<tr>
<td>Asian</td>
<td>2.2%</td>
<td>0.2%</td>
</tr>
</tbody>
</table>

*Source - The Solar Foundation: Solar Jobs Census*
The Artificial Construction: The Results

Even when controlling for income and homeownership, African-Americans do not adopt solar at the same rate as white.

~Dr. Deborah Sunter, Tufts University
The Artificial Construction: The Results

ACEEE - 36% of Black households (6.0 million) experience a high energy burden (above 6%).

Nashville’s 37207 – Cities Highest energy burden
Nashville’s 37208 – Nations most incarcerated
Memphis – Nations highest energy burden
Lifting the Shadow: WCHS

http://energyelectives.com/wchs/
Lifting the Shadow: WCHS
Lifting the Shadow: WCHS
Lifting the Shadow: WCHS
Lifting the Shadow: WCHS
Lifting the Shadow: WCHS

- 13.2 kWdc
- 40 panels – 330W
- Overhead distribution
- Fronius 11.4 kW Inverter
Lifting the Shadow: ENERGY ELECTIVES & TSEA

Energy Efficiency  Solar PV  Advocacy
Lifting the Shadow


SACE- https://cleanenergy.org/blog/my-story-jason-carney-solarpv/

https://cleanenergy.org/blog/sace-staffer-makes-powerful-statement-on-energy-justice-at-naacps-17th-annual-legislative-day-on-the-hill/
Allowing the Sun to Shine

Better (& needed) policy
PACE legislation
Community Solar
PAYS financing
Round-It-Up
The Green New Deal
Allowing the Sun to Shine

In a world without caste, we would all be invested in the well being of others in our species if only for our own survival, and recognize that we are in need of each other more than we have been led to believe.

(From Caste: The Origins of Our Discontents by Isabel Wilkerson)
Towards Clean Energy Equity: Overcoming Racial Disparities

THANK YOU!