Prioritizing DEIA and Justice in Your Lab Call Response

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The Office of Economic Impact & Diversity

Jennifer Granholm
Secretary
U.S. Department of Energy

Shalanda Baker
Secretarial Advisor on Equity
Director, Office of Economic Impact & Diversity

Dr. Tony Reames
Deputy Director
Office of Economic Impact & Diversity
The Office of Economic Impact & Diversity

Formally created by the National Energy Conservation Policy Act of 1978, the **Office of Economic Impact and Diversity (ED)** focused on its five key statutory objectives:

1. Advise the Secretary of Energy on the effect of energy policies, regulations and other actions on people and communities of color, and minority-owned businesses.
2. Work with Energy Information Administration (EIA) on research and data collection to determine the effects of programs, policies and regulations on people and communities of color.
3. Develop and recommend energy relevant programs, policies and regulations for people and communities of color.
4. Assess energy burdens on people and communities of color.
5. Provide energy-related technical assistance and job creation opportunities for people and communities of color.
Resources Available from The Office of Economic Impact and Diversity

Guidance and Factsheets

**DOE Justice40 General Guidance**

**Justice40 Initiative Environmental Fact Sheet**

**Environmental Justice Explainer**

**Justice40 Covered Program Highlights**

Office of Economic Impact and Diversity | Department of Energy
The Importance of Increasing Representation.

Applicants are required to describe the **actions** the applicant will take to

- foster a welcoming and inclusive environment
- support people from underrepresented groups in STEM
- advance equity,
- encourage the inclusion of individuals from these groups in the project,
- and the extent to which the project activities will be located in or benefit underserved communities
As part of this whole-of-government approach, *this lab call seeks to encourage the participation of underserved communities and underrepresented groups.*

Applicants are highly encouraged to include individuals from groups historically underrepresented in STEM on their project teams.
Focusing on the DEIA Section

The DEIA section should contain the following information:

- **Equity Impacts:** the impacts of the proposed project on underserved communities, including social and environmental impacts

- **Benefits:** The anticipated overall benefits of the proposed project, if funded, to underserved communities

- How DEIA objectives will be incorporated in the project
Key Terminology in the Lab Call

Benefits
Diversity
Energy Justice
Energy Burden
Equity
Equity Impacts
Disadvantaged Communities
Underserved communities
Minority Serving Institutions
Our country faces converging economic, health, and climate crises that have exposed and exacerbated inequities, while a historic movement for justice has highlighted the unbearable human costs of systemic racism.

Equal opportunity is the bedrock of American democracy, and our diversity is one of our country’s greatest strengths. But for too many, the American Dream remains out of reach.

The Federal Government should pursue a comprehensive approach to advancing equity for all, including people of color and others who have been historically underserved, marginalized, and adversely affected by persistent poverty and inequality.
Executive Order 13985

The Federal Government’s goal in advancing equity is to provide everyone with the opportunity to reach their full potential. Consistent with these aims, each agency must assess whether, and to what extent, its programs and policies perpetuate systemic barriers to opportunities and benefits for people of color and other underserved groups.

Such assessments will better equip agencies to develop policies and programs that deliver resources and benefits equitably to all.
“[E]quity” means the consistent and systematic fair, just, and impartial treatment of all individuals, including individuals who belong to underserved communities that have been denied such treatment, such as Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders and other persons of color; members of religious minorities; lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons; persons with disabilities; persons who live in rural areas; and persons otherwise adversely affected by persistent poverty or inequality.

“[U]nderserved communities” refers to populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life, as exemplified by the list in the preceding definition of “equity.”
Justice40 --E.O. 14008, s. 223

40% of the overall benefits of certain Federal investments—including

• investments in clean energy and energy efficiency
• clean transit
• affordable and sustainable housing training and workforce development; the remediation and reduction of legacy pollution
• the development of clean water infrastructure
• must flow to disadvantaged communities.
Guiding Policy Priorities for Justice40 Benefits

1. Decrease energy burden in disadvantaged communities
2. Decrease environmental exposure and burdens for disadvantaged communities
3. Increase parity in clean energy technology access and adoption in disadvantaged communities
4. Increase access to low-cost capital in disadvantaged communities
5. Increase clean energy enterprise creation and contracting (MBE/DBE) in disadvantaged communities
6. Increase clean energy jobs, job pipeline, and job training for individuals from disadvantaged communities
7. Increase energy resiliency in disadvantaged communities
8. Increase energy democracy in disadvantaged communities
Defining Disadvantaged Communities

Agencies should define community as either:

1. A group of individuals living in geographic proximity to one another (e.g., census tracts)

2. A geographically dispersed set of individuals where either type of group experiences common conditions (e.g., migrant workers or Native Americans)

DOE Disadvantaged Community Working Definition

**Cumulative Burden.** Census tract must have at least 30% low-income households and rank in the 80th percentile of cumulative sum of 36 indicators, where each input is equally weighted. Rankings are state-relative.

- **ENERGY BURDEN (5)**
  - Transportation Burden
  - Energy Burden
  - Non-grid connected home heating fuel
  - Power outages
  - Duration of outages

- **VULNERABLE POPULATIONS (19)**
  - Housing burden
  - Food desert
  - Job access (-)
  - Park access (-)
  - Commutes > 30 mins*
  - No vehicle*
  - Unemployed
  - Low Income*
  - No GED*
  - Linguistic Isolation*
  - Renters*
  - No internet
  - Uninsured
  - Disability
  - Incomplete plumbing
  - Single parents
  - Mobile homes
  - Unhoused
  - Age over 65*

- **ENVIRONMENTAL/CLIMATE HAZARDS (10)**
  - Lead paint
  - Diesel particulates
  - Cancer
  - Traffic volume
  - Water discharge
  - NPL sites
  - RMP facilities
  - TSD facilities
  - FEMA climate risk
  - PM 2.5

- **FOSSIL DEPENDENCE (2)**
  - IWG coal jobs ratio
  - IWG fossil energy jobs ratio

* Denotes that these variables are not inherently negative, but increase the vulnerability of the population to climate, environmental, and energy hazards.
Why is DEIA Important?

According to the National Science Foundation’s 2019 report titled “Women, Minorities and Persons with Disabilities in Science and Engineering,”

women, persons with disabilities, and underrepresented minority groups—Blacks or African Americans, Hispanics or Latinos, and American Indians or Alaska Natives—are vastly underrepresented in the science, technology, engineering, and math (STEM) fields that drive the energy sector.
Prioritizing Diverse Partnerships

Minority Serving Institutions, Minority Business Enterprises, Minority Owned Businesses, Woman Owned Businesses, Veteran Owned Businesses, or entities located in an underserved community that meet the eligibility requirements are encouraged to participate in an application as a proposed partner to the prime applicant.

The Selection Official may consider the inclusion of these types of entities as part of the selection decision.

(refer to Section II.B.i Merit Review & Selection Process)
What is a Minority Serving Institution?

Minority Serving Institutions, including Historically Black Colleges and Universities/Other Minority Institutions, as educational entities recognized by the Office of Civil Rights (OCR), U.S. Department of Education, and identified on the OCR’s Department of Education U.S. accredited postsecondary minority institutions list.

- **Historically Black College or University (HBCUs)** (list maintained by the White House Initiative on HBCUs)
- **Hispanic-serving institution (HSIs)**
- **Tribal College or University (TCUs)** (list maintained by White House Initiative on Tribal Colleges and Universities)
- **Alaska Native-serving institution or a Native Hawaiian-serving institution**
- **Predominantly Black Institution (PBI)**
- **Asian American and Native American Pacific Islander-serving institution (AAPISIs)**
- **Native American-serving nontribal institution**
  - [https://www2.ed.gov/about/offices/list/ocr/edlite-minorityinst.html](https://www2.ed.gov/about/offices/list/ocr/edlite-minorityinst.html)
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## Example Benefit Metrics Mapped to Policy Priorities

<table>
<thead>
<tr>
<th>Benefit Category</th>
<th>Metric</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reducing energy burden</td>
<td>Reduction in energy costs due to technology adoption</td>
<td>$ saved in energy expenditures due to technology adoption</td>
</tr>
<tr>
<td>Reducing environmental burden</td>
<td>Reduction in local pollutant emissions</td>
<td>Avoided air pollutants (CO$_2$, NO$_x$, SO$<em>2$, PM$</em>{2.5}$)</td>
</tr>
<tr>
<td>Increase clean energy access</td>
<td>Increase access to clean energy serving disadvantaged communities</td>
<td>Clean energy resource (MWh) adopted</td>
</tr>
<tr>
<td>Increase access to low-cost capital</td>
<td>Increase capital access in disadvantaged communities</td>
<td>$ spent by source and purpose and location</td>
</tr>
<tr>
<td>Increase enterprise creation</td>
<td>Increase contracts to minority &amp; disadvantaged businesses</td>
<td># of contracts and/or $ awarded to minority &amp; disadvantaged businesses</td>
</tr>
<tr>
<td>Increase clean energy jobs &amp; training</td>
<td>Increase clean energy jobs in disadvantaged communities</td>
<td># of jobs created in disadvantaged communities</td>
</tr>
<tr>
<td>Increase resilience</td>
<td>Increase community resilience</td>
<td># and size (MWh) of community resilience infrastructure deployed (e.g., battery storage)</td>
</tr>
<tr>
<td>Increasing energy democracy</td>
<td>Increased stakeholder engagement</td>
<td># of events and/or $ spent engaging organizations and residents</td>
</tr>
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</table>
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