



# BIL Comes to Maine

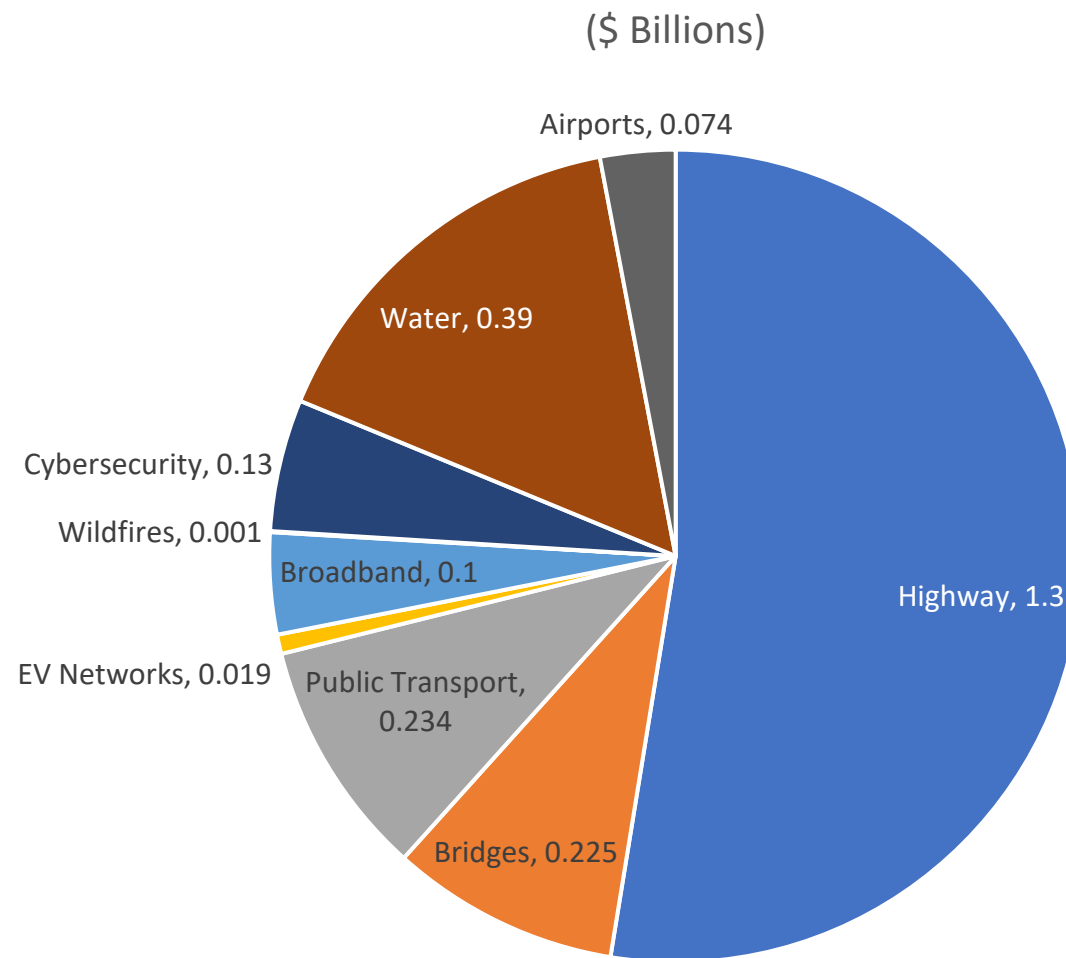
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Professor Emeritus

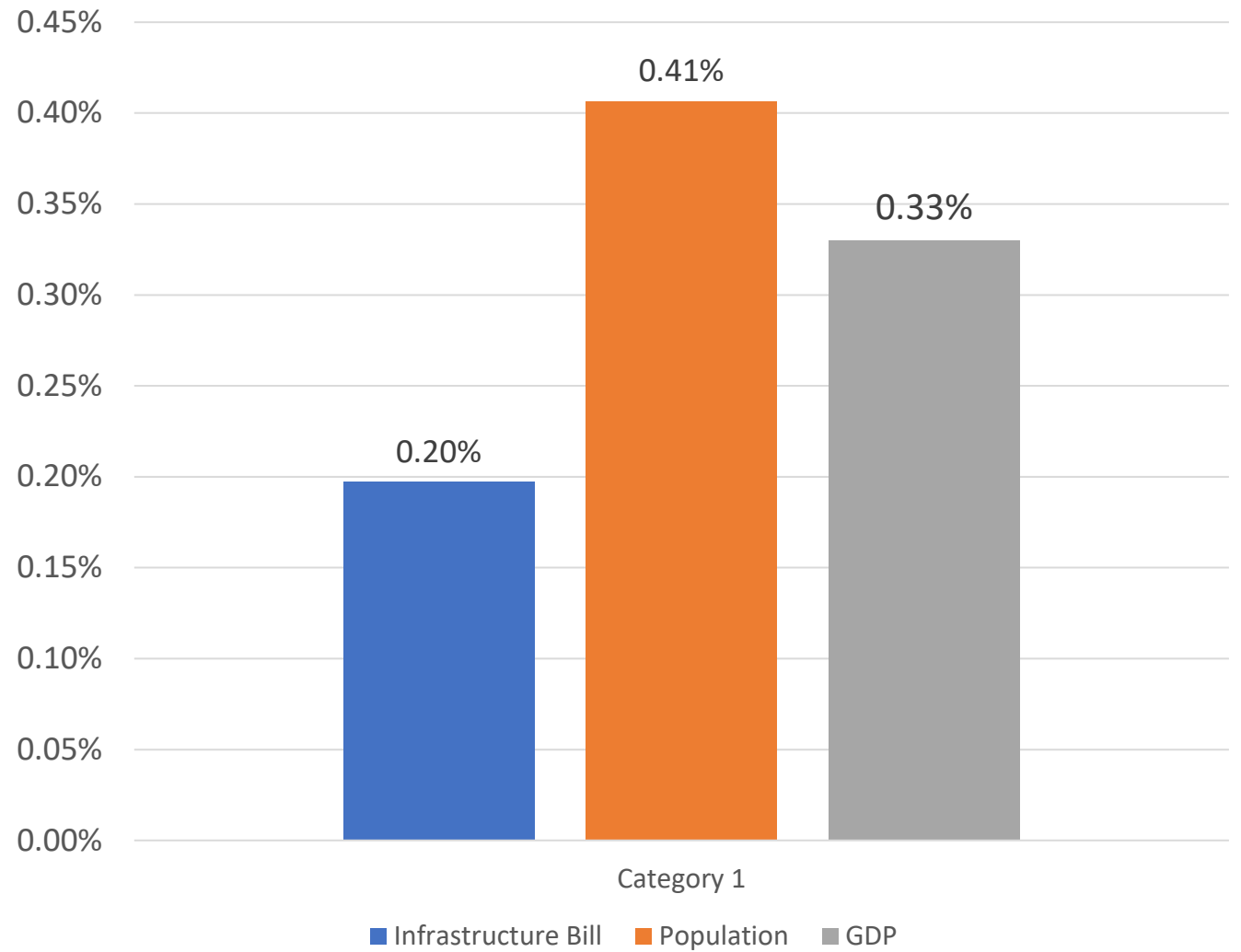
University of Southern Maine


How much  
will Maine  
get:  
\$2.473  
billion over  
about 5  
years.





How much  
is this?



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- The real answer:
    - No One Knows.
  - The really real answer:
    - It's not enough

# Types of Funding

Reauthorized funding

Formula

Competitive Funding

Demonstration/Pilot

# What's in BIL?

- Transportation
  - Highways
  - Bridges
  - Projects of regional and national significance
  - Public transportation
- Energy
  - Grid Upgrades
  - Clean Energy/Energy Efficiency- Weatherization
  - Clean energy manufacturing
- Water
  - SRF funding
    - Supplement for removing contaminants (PFAS)
  - Small and Underserved Communities
- Remediation
  - Geography specific water/forest restoration
- Resilience
  - Cyber security
  - Buildings
    - Rural Schools
- Broadband
  - Min \$100 million to be distribute by the state in competitive grants.

# The economics of infrastructure:

## Productivity

Improve Productivity

## Depreciation

Fund Depreciation

## Insurance

Insure against future losses

## Space

Alter spatial relationships

# Fund Depreciation

- Transportation
  - Highways
  - Bridges
  - Public transportation
- Energy
  - Grid Upgrades
- Water
  - SRF funding
    - Supplement for removing contaminants (PFAS)
- Environmental Remediation
  - Wetlands
  - Marine Debris



# Improve Productivity and Expand Output

- Transportation
  - Projects of regional and national significance
- Energy
  - Clean energy manufacturing
- Water
  - Small and Underserved Communities
- Energy
  - Grid Upgrades
  - Clean Energy/Energy Efficiency-Weatherization
- Broadband

Insure against  
future losses

- Resilience
  - Cyber security
  - Buildings
    - Rural Schools



# Alter spatial relationships

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- Bottom Line:
  - Infrastructure in urban Maine will deteriorate more slowly
    - Some may actually be improved.
  - Rural Areas will get key investments
    - Broadband
    - Weatherization
    - Water Systems
    - Rural Schools
- At the margin, BIL will:
  - Support the movement towards more growth in rural and suburban areas started by the pandemic
  - If...



# Climate Change

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## Mitigation v. Adaptation

## Many elements directed at mitigation

- Transportation electrification
- Grid upgrades for renewables
- Broadband

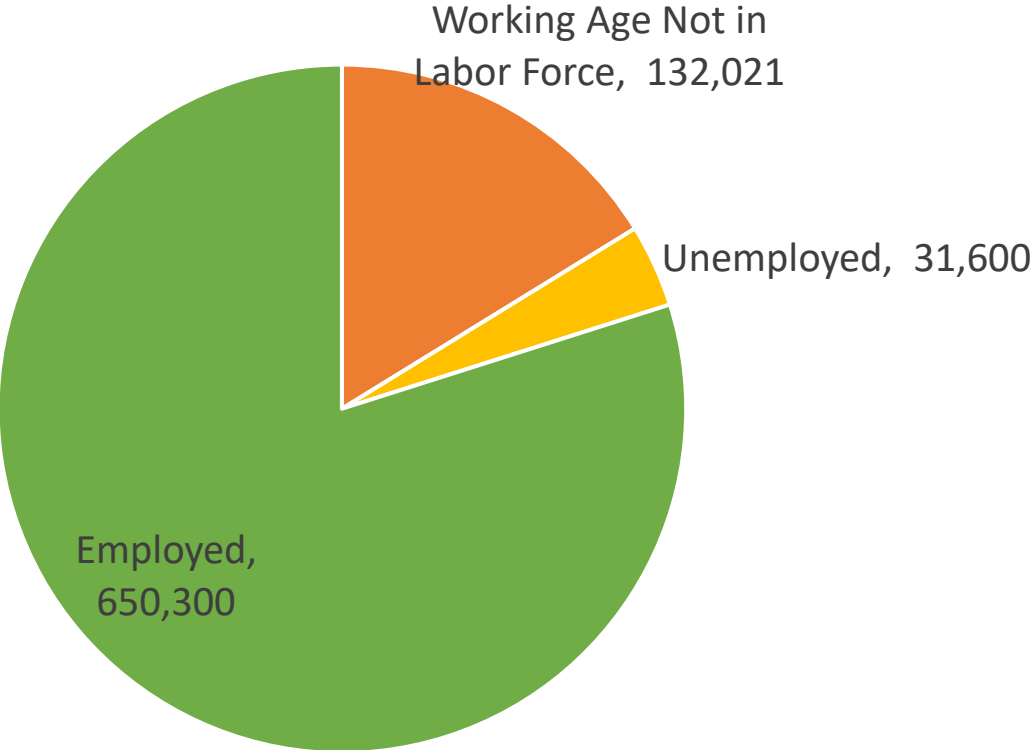
## Adaptation?

- Rebuilding to accommodate flooding
- Wetland restoration



# Where will the workforce come from?

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# Workforce strategies

Limited imported labor: Everybody else faces the same issues

Training and career development for workforce entrants

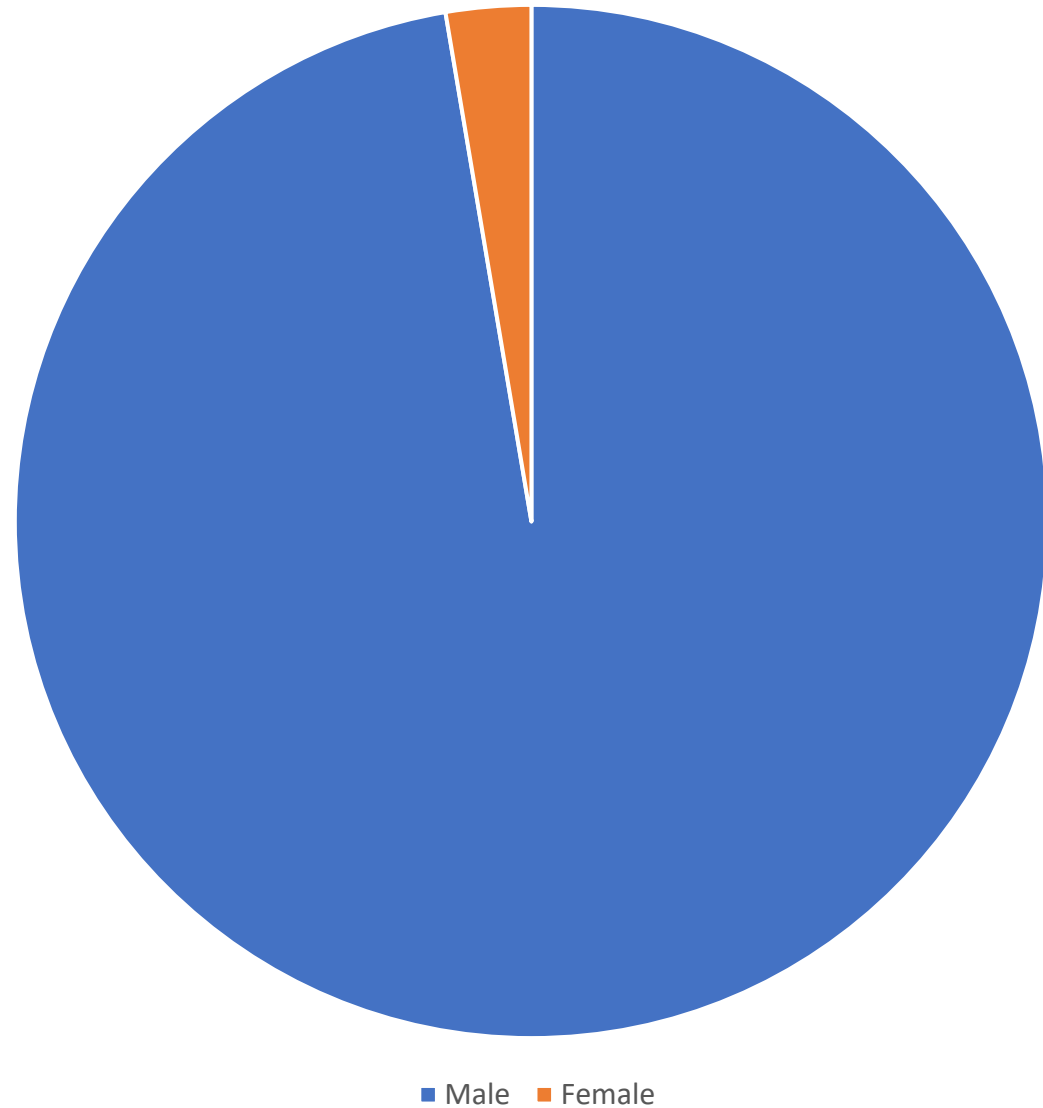
The “Not in Workforce” population

- “Great Resignation’
- “Missing Men”

Women



Maine has  
40,000  
employed in  
construction  
and  
excavation  
trades, 97%  
of them male



It's not  
enough, but  
it may be all  
we get.  
A suggested  
strategy:

- Fix what is broke.
    - It's only going to get more broke.
  - Stretch the dollars
    - Add to, do not replace state and local funds
  - Integrate with other plans as fast as possible
    - Economic Development
    - Climate Change
    - 1 Year, 5 Year, Long Term Transportation
    - Local Capital Plans
  - Set aside funds to help small communities compete for funds
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