Current Debt/GDP Projections
Project L.I.F.E.

Lift Quality of Life
Improve Government Efficiency
Facilitate Social Mobility
Enhance our Future
Current Debt/GDP Projections
UQoL: Universal Quality of Life Metric

Norway: **85.9**
Current: **70.3** /100
South Africa: **14.6**

Work-Life Balance: 28/100
Health: 61.5/100
Environment: 76.3/100
Life Satisfaction: 69/100
Community: 90.6/100
Income: 96.3/100

\[
\frac{(28 + 69 + 61.5 + 90.6 + 76.3 + 96.3)}{600} = 70.3/100
\]

Modified OECD Better Life Index*
LIFE - LIFT

▷ US Metro System - USMS

○ Rapid Transit: Rail + Property
  ■ Modeled after Hong Kong’s MTR
  ■ 11 Suitable Counties

○ Reduces Debt to GDP ratio by 0.8% by 2050
Clean Energy Victory Bonds

- $100B yearly issuance
- Treasury Trust Fund
- Reduces Debt to GDP ratio by 12.2% by 2050

Trust Fund Management

- Energy efficiency upgrades
- Renewable energy generation
- Clean transportation
- Grid modernization
- Advanced vehicles & fuels
- Carbon capture & storage
- Green innovation
- Job training

Source: congress.gov, tomudall.senate.gov

Life - Lift

Trust Fund Management

+3.84
UQoL: +.6

Reduced Debt to GDP ratio by 12.2% by 2050
LIFE - LIFT

▷ Reduce Debt/GDP Ratio by 13%

Summary

UQoL

Lift Proposals

71.0

70.3
2. IMPROVE

Improving Efficiency
LIFE - IMPROVE

- Value Added Tax
  - Phased in 5%
  - Reduces Debt to GDP ratio by 19.6% by 2050
  - Lower VAT relative to other countries

Source: CBO

-4.81  UQoL: -8
1 out of every $6 owed in federal taxes is not paid.

Source: irs.gov, pwc.co.uk

**LIFE - IMPROVE**

Stop Tax Evasion

- Blockchain for VAT
- Smart contracts

Advantages

- Transparency
- Control
- Security
- Real time info

UQoL: -.4

-2.47
Reform Crop Insurance

- Limit subsidies paid to insurance companies and farmers
  - Scale back premium subsidy and reimbursements
- Reduces Debt to GDP ratio by 0.2% by 2050
Defense Reform

- **End** wars in Iraq and Afghanistan
  - Reduces the Debt to GDP ratio by 2.9% by 2050
- **Reduce** DoD spending 10% relative to the amount planned for 2022
  - Reduces the Debt to GDP ratio by 2.7% by 2050

Source: CBO

UQoL: +.9
LIFE - IMPROVE

▷ Combat Prioritization

○ **Defer** B-21 Bomber program

○ **Reduce** funding for naval ship construction

○ Together reduces the Debt to GDP ratio by 0.8% by 2050
LIFE - IMPROVE

▷ Reduce Debt/GDP Ratio by 76%
3. FACILITATE

Facilitating Social Mobility
Tax Cuts and Jobs Act 2.0

- Repeal and replace
  - Higher marginal tax rates for top brackets
- Reduces Debt to GDP ratio by 8.4% by 2050
### Proposed Rates

<table>
<thead>
<tr>
<th>Income for Single Filer</th>
<th>Tax Rate</th>
</tr>
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<tbody>
<tr>
<td>$0 to $9,700</td>
<td>10%</td>
</tr>
<tr>
<td>$9,701 to $39,475</td>
<td>12%</td>
</tr>
<tr>
<td>$39,476 to $84,200</td>
<td>22%</td>
</tr>
<tr>
<td>$84,201 to $150,000</td>
<td>24%</td>
</tr>
<tr>
<td>$150,001 to $250,000</td>
<td>35%</td>
</tr>
<tr>
<td>$250,001 to $500,000</td>
<td>37%</td>
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<tr>
<td>$500,001 to $1,000,000</td>
<td>40%</td>
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<tr>
<td>More than $1,000,000</td>
<td>45%</td>
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</table>

### Current Rates

<table>
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<th>Income for Single Filer</th>
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<td>12%</td>
</tr>
<tr>
<td>$39,476 to $84,200</td>
<td>22%</td>
</tr>
<tr>
<td>$84,201 to $163,300</td>
<td>24%</td>
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<tr>
<td>$163,301 to $207,350</td>
<td>32%</td>
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<tr>
<td>$207,351 to $518,400</td>
<td>35%</td>
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<tr>
<td>More than $518,401</td>
<td>37%</td>
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</tbody>
</table>

Source: CBO

UQoL: -1.2

LI-FACILITATE
Medicares

- Raise Medicare eligibility age from 65 to 67
- Limit medical malpractice claims
  - Increased access to coverage decreases malpractice claims
    (US National Library of Medicine)
Medicares

- Minimum rebate on Part D covered drugs
  - Differs payment from the government to private companies

Source: CBO, Committee For a Responsible Federal Budget
Medicares

- Expand Medicaid drug rebates to Medicare
  - Allows for increased coverage
- Eliminate bonuses from Medicare Part D
  - Part of Medicare Advantage
- Overall, decreases Debt to GDP by 12.8%

Source: CBO, Committee For a Responsible Federal Budget
LIFE - FACILITATE

▷ Reduce Debt/GDP Ratio by 19%

Summary

UQoL

Facilitate Proposals

- 70.7
- 69.5
4.

ENHANCE

Enhance our Future

LIFE
LIFE - ENHANCE

- **Enact Carbon Tax**
  - $25 / Metric ton of emissions
    - Inflation adjusted
    - Tax rebate given to lower income households
  - Eases negative externality
  - Reduces Debt to GDP ratio by 6.3% by 2050

Sources: CBO
Social Security

- Tax Code Reform
- Alter Benefits Payment Scale
- Change Retirement Age
Social Security

- **Top 30%**
  - Receive no annual Cost of Living Adjustments
  - Same initial benefit is paid every year

- **Middle 30%**
  - Receive ½ annual Cost of Living Adjustment
  - Payments increase at a rate equal to ½ the projected change in cost of living

- **Bottom 40%**
  - No change in benefits payments
  - Receive annual COLAs as they do now

Source: Center for Retirement Research
### Social Security

<table>
<thead>
<tr>
<th>ADJUST COLAs</th>
<th>ELIMINATE Some Taxes Paid</th>
<th>INCREASE Taxable Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>● COLAs calculated using Chained-CPI</td>
<td>● Eliminate taxes paid on some SS benefits received</td>
<td>● Increase maximum taxable income from $137,700 to $245,000</td>
</tr>
<tr>
<td>● More accurately reflects cost of living changes</td>
<td>● Boosts income for poorer retirees</td>
<td>● Only impacts wealthiest 7% of earners</td>
</tr>
<tr>
<td>● Reduces Debt to GDP Ratio 2.9% by 2050</td>
<td>● Decreases Revenue $400B by 2050</td>
<td>● Reduces Debt to GDP Ratio 6.8% by 2050</td>
</tr>
</tbody>
</table>

Sources: CBO, CRS, JCT
LIFE - ENHANCE

▷ Social Security

○ **Raise** the full retirement age from 67 to 69
  - Has not kept up with life expectancy
  - Increase 2050 GDP by 5.4%

Source: CRFB
Reduce Debt/GDP Ratio by 18%
Conclusion
Total Improvements

Debt Reduction of $79.2T    GDP Increase of $7.6T
UQoL: Universal Quality of Life Metric

From: 70.3 to: 71

Health: 61.5
Environment: 76.3 → 86.43
Life Satisfaction: 69 → 76.07
Community: 61.5 → 92.41
Income: 96.3 → 81.33

\[
\frac{(28.12 + 92.41 + 85.62 + 77 + 61.5 + 81.33)}{600} = 71
\]

Modified OECD Better Life Index*
Total Improvements

Debt Reduction of $79.2T  GDP Increase of $7.6T

UQoL

180%
54.8%
71
70.3
Thank You!

Team 137
### Appendix A

**Rail-Plus-Property Targeted Counties**

<table>
<thead>
<tr>
<th>Geographic area</th>
<th>Population</th>
<th>Density per square mile - Population</th>
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<tbody>
<tr>
<td>New York County</td>
<td>1585673</td>
<td>69468.4</td>
</tr>
<tr>
<td>Kings County</td>
<td>2504700</td>
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<td>Bronx County</td>
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<td>32903.3</td>
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<td>Queens County</td>
<td>2230722</td>
<td>20553.6</td>
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<td>San Francisco County</td>
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<td>Hudson County</td>
<td>634266</td>
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<tr>
<td>Suffolk County</td>
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<tr>
<td>Philadelphia County</td>
<td>1526008</td>
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<td>District of Columbia</td>
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<tr>
<td>Alexandria city</td>
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<td>San Juan Municipio</td>
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<td>Hampton city</td>
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<tr>
<td>Dekalb County</td>
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