

The potential impact of I-1631 on Washington's solar market

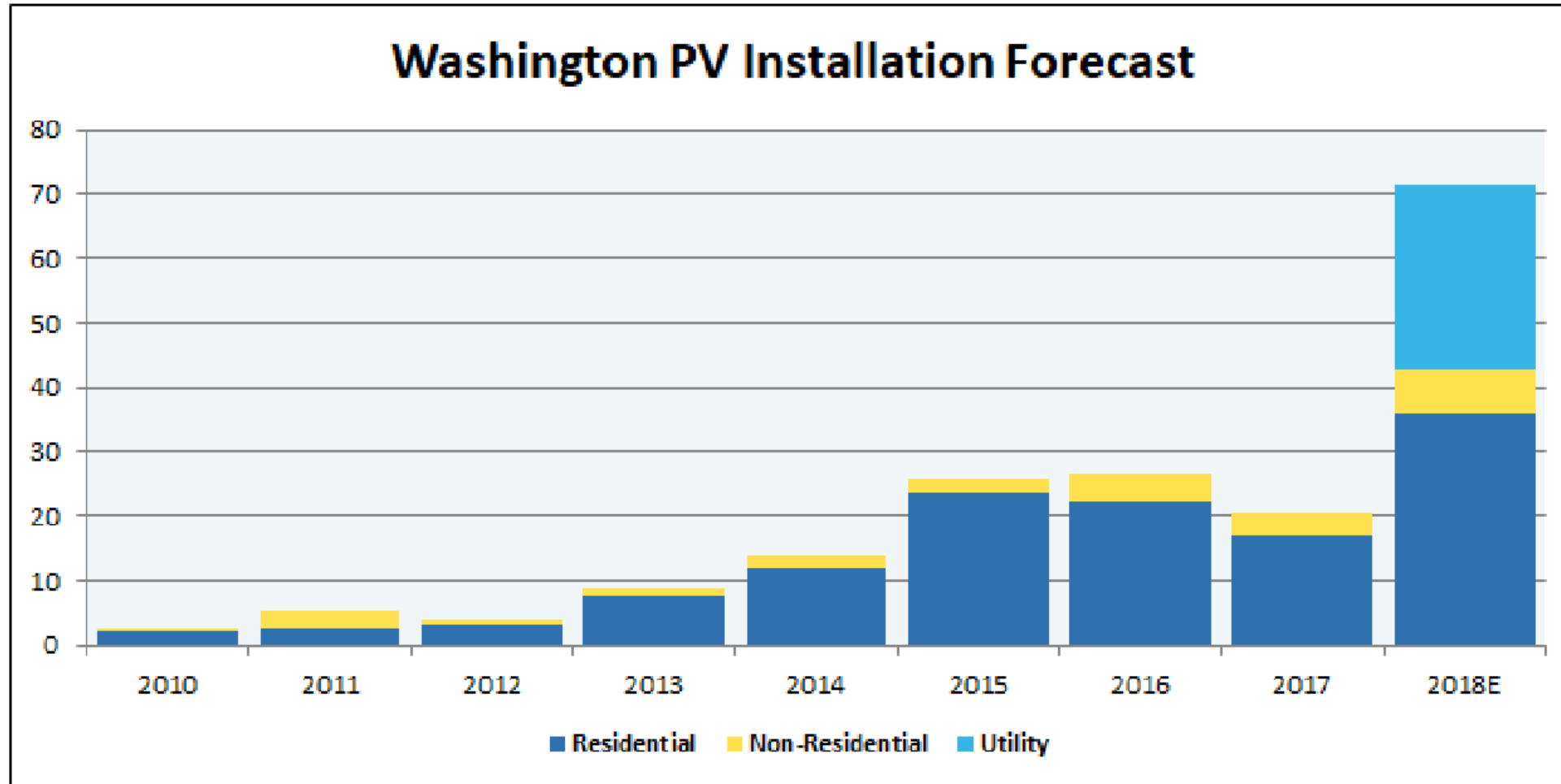
Allison Arnold, Executive Director
Solar Installers of Washington
Washington Solar Summit
October 19, 2018



Solar Installers of Washington

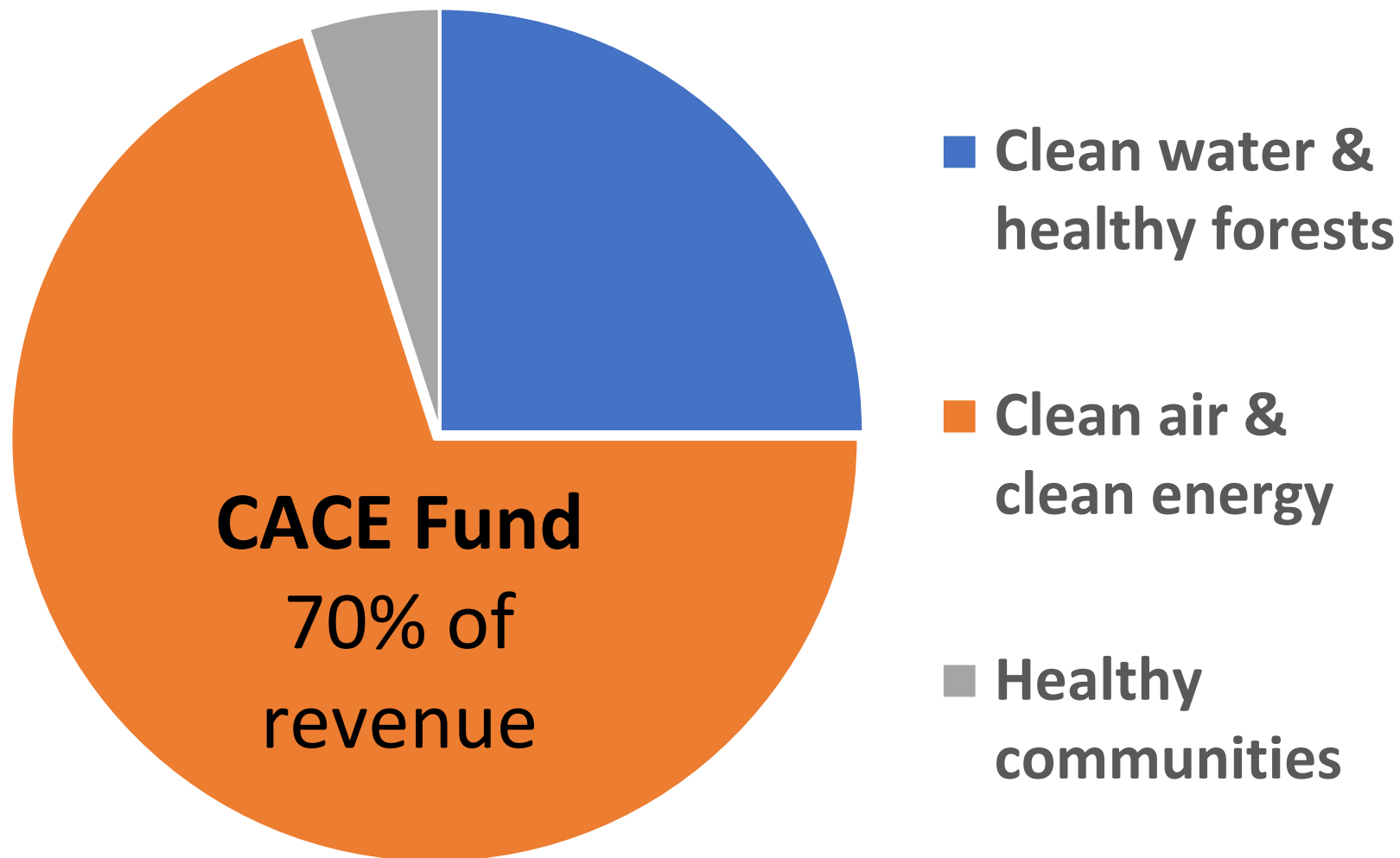
- ❖ Association representing Washington's solar industry
- ❖ Established 2013 to serve as a unified voice for the common business interests of its members
- ❖ 35 companies (installers + non-installers) and growing
- ❖ Members installed approximately 80% of WA solar in 2017
- ❖ Advocate for progressive solar legislation and regulation
- ❖ Current advocacy priorities: net metering, funding production incentive through 2021, passage of Initiative 1631

Snapshot: WA installed PV capacity



Source: www.seia.org/states, Sept. 2018

CACE Fund created by I-1631 would support clean energy investment



Carbon fee would generate roughly \$1 billion dollars in revenue per year

What if 10-20% of CACE funds were invested in distributed solar projects

Year 1 = \$56 - \$112 million / year

Max value = \$170 - \$340 million / year



Capacity deployed?



Carbon pollution reduced?



Jobs created?

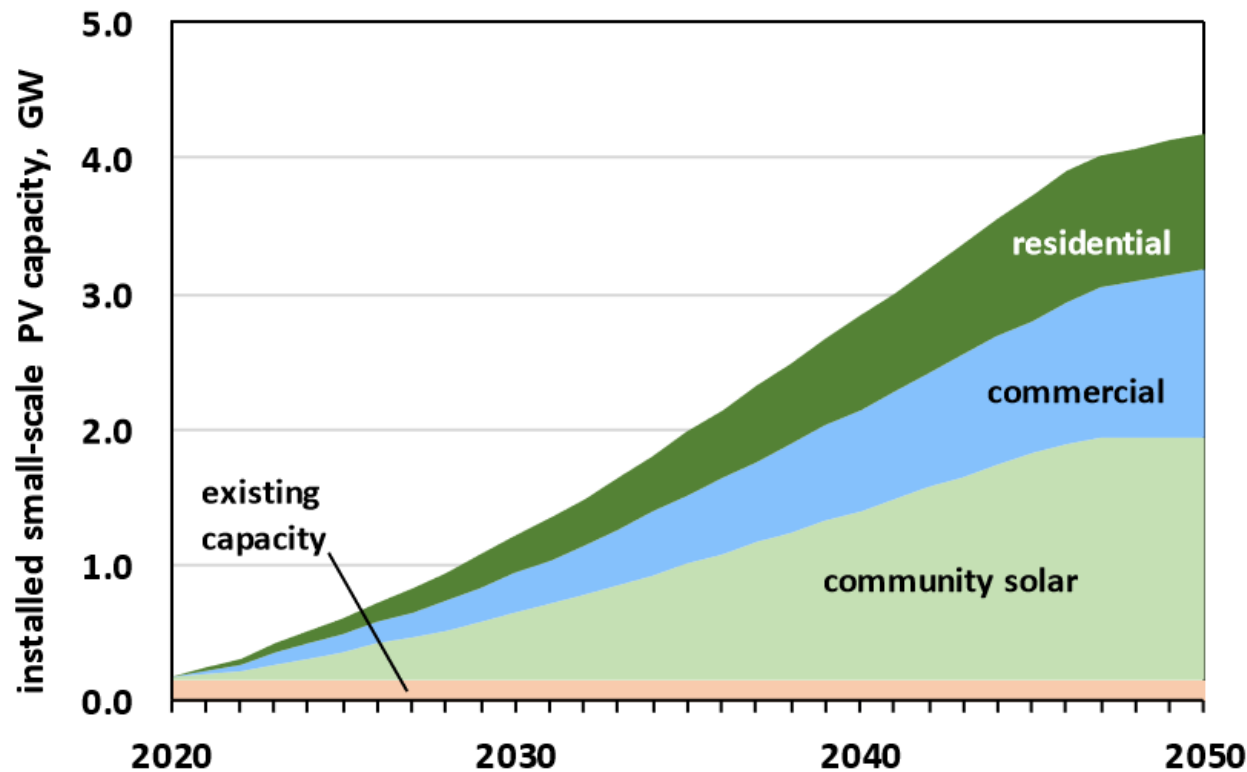
Methodology and Assumptions

- SIW engaged consulting team: Cyan Strategies and Hammerschlag & Co.
- Developed two solar investment scenarios: 10% and 20% of CACE Fund
- Modeled scenarios using basic framework of existing Washington Renewable Energy System Incentive Program at 2018 levels. Assumed 50% of modules made in WA.
- Divided funding among residential incentives (50%), commercial incentives (25%), and community solar (25%). Did not include shared commercial solar.
- Assumed maximum sustained industry growth rate of 50% increase in installation capacity/year.
- Capped total market penetration at 10% of consumption in the residential market, 5% in the commercial market.

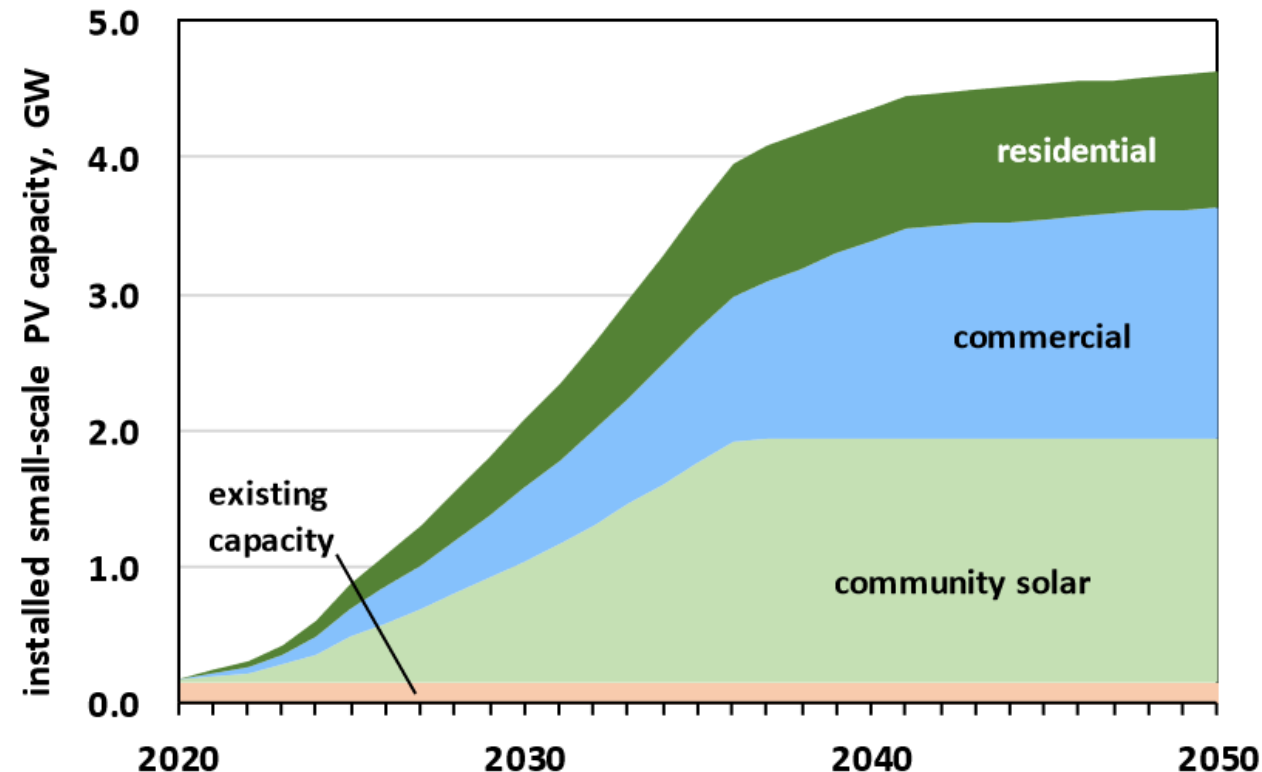
Access full white paper: www.solarinstallersofwa.org

Potential PV Capacity Deployed: 4+ GW

(roughly equivalent to 400,000 typical rooftop systems)



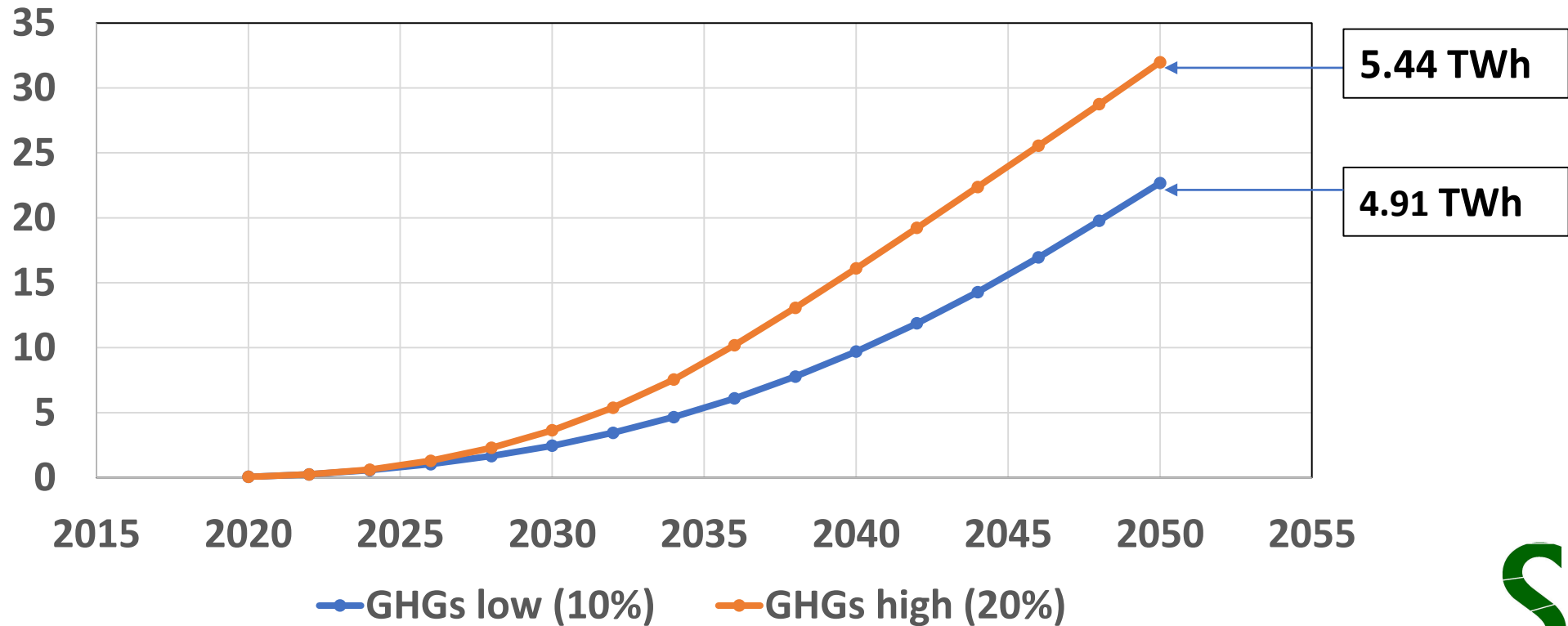
10% of CACE Fund to distributed PV



20% of CACE Fund to distributed PV

Potential Carbon Emissions Reduced: 32 mmtCO₂e

Cumulative Avoided Greenhouse Gas Emissions
Under 2 CACE Funding Scenarios (mmtCO₂e)



Potential CACE-induced Solar Jobs: 3,500+

Scenario	In 2025	Peak	Peak year
Low funding (10% of CACE)	1,106	1,974	2046
High funding (20% of CACE)	2,872	3,739	2036



Summing up I-1631's Solar Potential

- Up to 9-fold increase in sustainable funding for distributed solar incentives with 10-20% of CACE dedicated to investment
- Up to 30-fold increase in solar generating capacity deployed
- Up to 2-fold increase in solar jobs
- 32 mmtCO₂e reduced (= 1 yr. removal of 6.8 million passenger cars)
- Create noticeable change to composition of our energy economy
- Levels playing field for renewables via price signal and investment
- Makes solar energy accessible to more people
- Positions Washington as thriving hub for clean energy and climate innovation

Let's seize this opportunity!

- Yes on 1631 campaign's power = people
- Encourage your organization to formally endorse the initiative
- Volunteer your time for canvassing, phone banking
- Donate your dollars
- Share your support through social media or traditional media and through Voters Circle
- **VOTE!**



Thank you



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