

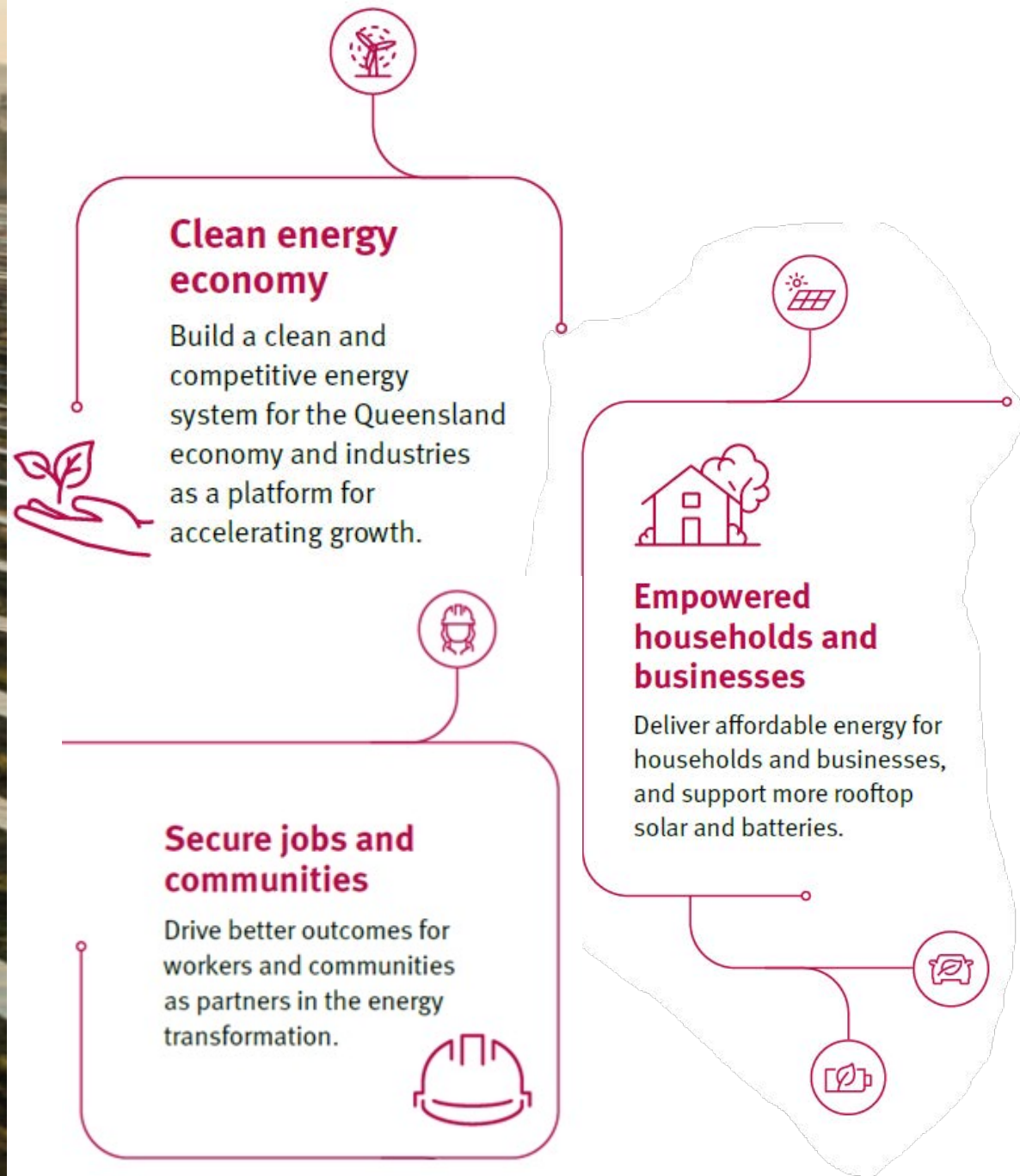
QUEENSLAND ENERGY TRANSFORMATION

Power for **generations**



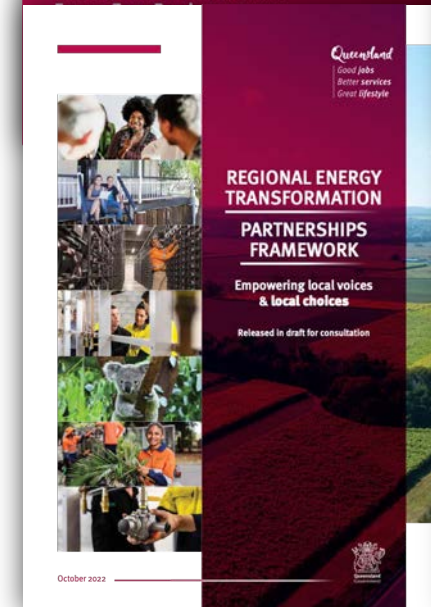
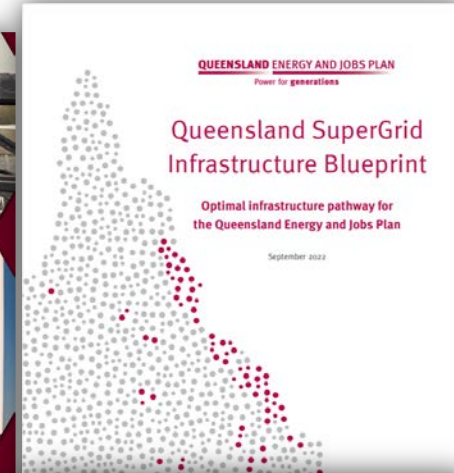
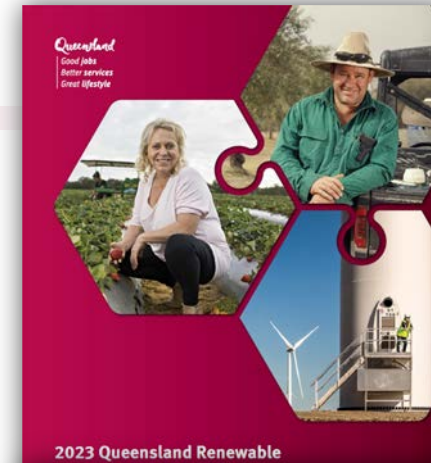
Vision

Clean, reliable and affordable energy providing power for generations.



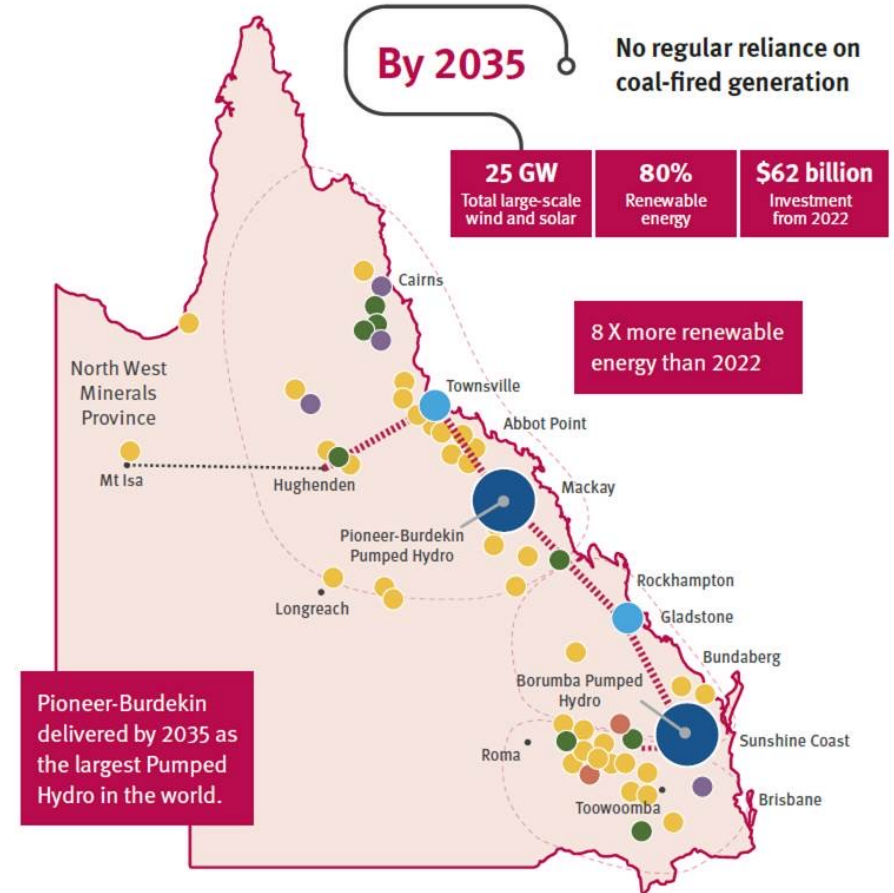
TRANSFORMING OUR ENERGY SYSTEM

- Coordinated connection of 25GW total new + existing wind and solar by 2035
- Two new pumped hydro projects
- More than 2000km of new high-voltage backbone transmission including CopperString 2032
- Investment into publicly-owned power stations as future Clean Energy Hubs supported by a Job Security Guarantee
- Queensland Renewable Energy and Hydrogen Jobs Fund
- On track to meet the 50% renewable energy by 2030 target early and commit to new targets of 70% by 2032 and 80% by 2035
- Dozens of network connected and community batteries are already being rolled out to support Queensland's world-leading rooftop solar uptake.



QUEENSLAND'S SUPERGRID

- In 2015 almost no large-scale renewables
- Currently 3GW wind and solar capacity
- 26% consumption met by renewables last year
- More public and private renewable development
- Borumba Pumped Hydro by 2030
- New transmission connecting southern and central
- Pioneer-Burdekin by 2035 (stage 1 by 2032)
- New transmission to connect in Pioneer-Burdekin
- 25GW total new and existing wind and solar by 2035

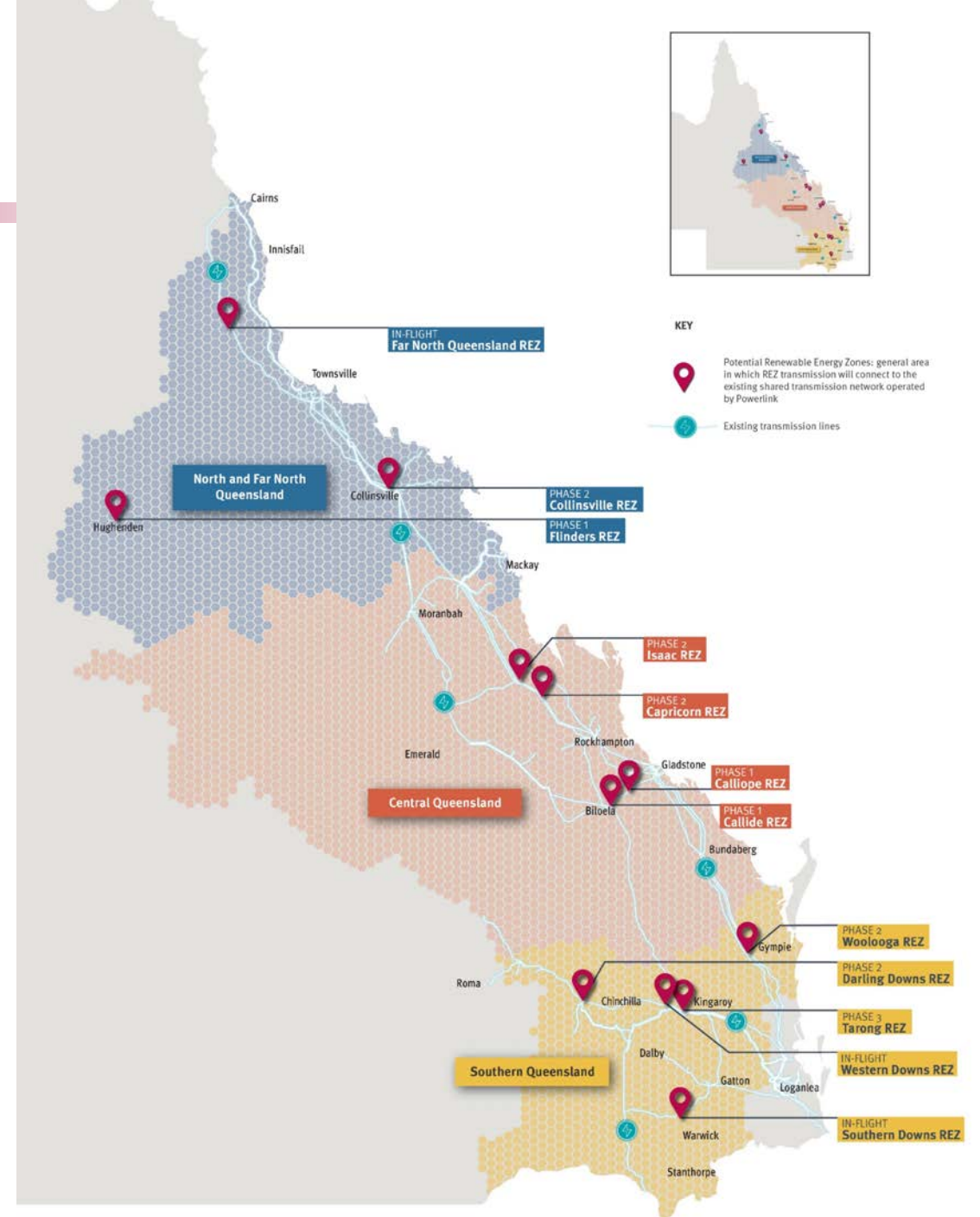


OPPORTUNITIES FOR THE REGION

- Western Queensland will play a **key role** in delivering clean, reliable, and affordable power hosting new renewable generation, and by providing key minerals to enable this transformation
- The Queensland Energy and Jobs Plan commits to supporting **outback and remote communities** to share the benefits of clean, reliable, and affordable energy
- The proposed **Flinders Renewable Energy Zone (REZ)** is expected to support 2000 to 2400 MW of installed generation, supporting up to 450 construction jobs
- **CopperString 2032** is expected to feature up to six new substation sites as well as optical fibre network capability and create up to 750 construction jobs.
- An inclusive **Remote and First Nations Clean Energy Strategy** to help deliver net zero electricity emissions across Energy Queensland's 33 isolated power stations
- Since 2015, more than \$300 million has been invested in operational renewable energy projects in Western Queensland creating **around 300 jobs**
- Over the longer-term, an estimated \$1.1 billion is expected to be invested in the region to **build additional electricity infrastructure** up until 2040.

THE REZ ROADMAP

Region	REZ	MW of expected installed generation	IN-FLIGHT	PHASE 1 NOW-2024	PHASE 2 2024-2028	PHASE 3 POST 2028
Southern Queensland	Southern Downs REZ	2,000-2,600	✓			
	Western Downs REZ	2,000-2,600	✓			
	Woolooga REZ	1,600-2,000			✓	
	Darling Downs REZ	1,600-2,000			✓	
	Tarong REZ	2,000-2,400				✓
Central Queensland	Callide REZ	2,000-2,600		✓		
	Calliope REZ	1,500-2,000		✓		
	Isaac REZ	1,400-1,800			✓	
	Capricorn REZ	1,400-1,800			✓	
North and Far North Queensland	Far North Queensland REZ	500-700	✓			
	Collinsville REZ	1,600-2,000			✓	
	Flinders REZ	2,000-2,400			✓	



RECORD \$19B GOVERNMENT INVESTMENT

Almost \$600m to Powerlink to commence the \$5bil **CopperString 2032** transmission line

\$14.2bil for QLD Hydro to proceed with the **Borumba pumped hydro**

\$500m down payment to CleanCo for **up to 2.3GW of new renewables in CQ**

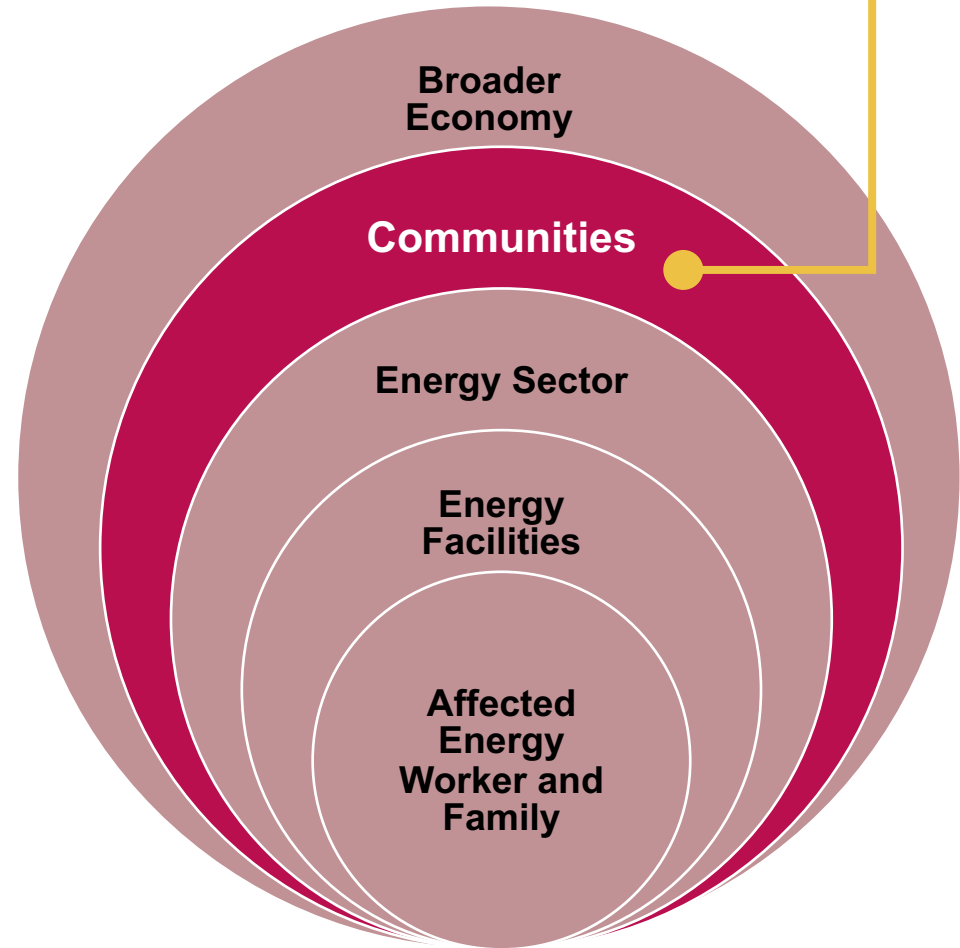
Over \$670m to Stanwell for **wind and battery projects**

\$200m to Powerlink to support **connection of major renewable projects**

\$2bil capital to Energy QLD for **network safety efficiency & batteries**

Communities

- \$200 million **Regional Economic Futures Fund** to support communities in seizing industry development opportunities presented by global decarbonisation.
- Working with communities to develop **Regional Transformation Strategies and Implementation Plans by 2024** for:
 - North-West Qld
 - Greater Whitsunday
 - Central Qld
 - Darling Downs, South-West and the South Burnett
- The Queensland New Industry Development Strategy sets out the Queensland Government's approach to proactively developing the industries that will be in demand in a decarbonising world.



EMERGING CHALLENGES IN QUEENSLAND

Conservationists rubbish plan to build a windfarm near protected north Queensland rainforests

Tablelands group and Katter's Australian Party launch new campaign against proposed Chalumbin Wind Farm south of Ravenshoe

By Ben Harden
May 22 2023 - 7:00am

Farmers warned to look out for 'cowboys' when signing complex renewable energy contracts on farmland

ABC Midwest & Wheatbelt / By Lucinda Jose
Posted Wed 19 Apr 2023 at 3:02pm

Landholder group calls for senate probe into renewable project impacts

Beef Central, 18/05/2023

Landholder representative group Property Rights Australia (PRA) is calling for a Federal Senate inquiry regarding the impacts on rural and regional Australia from renewable energy developments and associated transmission projects.

"Renewable energy developments are having significant negative impacts on

Farmers fear being trampled in the rush to build more renewable power projects

By Chris McLennan
Updated December 30 2022 - 1:46pm, first published 11:00am

Clear path to clean energy – the new frontier for local government

4 January, 2023

Clean energy plan brings some certainty to Queensland's coal country, but more detail needed

ABC Capricornia / By Erin Semmler and staff
Posted Thu 29 Sep 2022 at 8:46am, updated Thu 29 Sep 2022 at 9:30am

AUSTRALIA'S CLEAN ENGINE ROOM: CENTRAL QUEENSLAND'S INDUSTRIAL FUTURE

594 Shares

Central Queensland has the abundant natural resources, skilled workforce and existing industry base to be a L renewable energy and clean industry-led economy. From the Reef to the coalfields, the region has a proud and history in tourism as well as industry traditionally dominated by fossil fuel extraction and exports, fossil fuel H industries and power generation. Today, as the world moves beyond the use of polluting fossil fuels, Central Q has abundant economic and job opportunities for decarbonising the industries that already exist. Plus, a num

Agriculture, Environment, Workers and Transition, Local Councils

QUEENSLAND ENERGY AND JOBS PLAN

Working with renewable energy providers is the new frontier for local government.

An unbreakable

FEEDBACK FROM KEY STAKEHOLDERS

- Feedback from draft Bill consultation identified key themes - **social licence, fairness** and support for Government's policy direction.
- Feedback to Partnerships Framework from regional councils included:
 - Communities are not adequately engaged – **need more boots on the ground**– *important to engage early*
 - Want to see **regional benefit sharing** – important to deliver longer-term benefits
 - Ensure **equitable distribution of benefits (fairness)** – ensure smaller communities receive benefits – *don't create winners and losers*
 - Need **local buying targets and invest in supply chain** mapping – *lock in opportunity for locals.*
 - More needs to be done to **include, consult, protect cultural heritage** and create **more opportunities for First Nations peoples** and business.
 - **Support and training** needed to **build capacity and resilience.**

“Be on the ground, consult directly with people often and extensively. Collaborate with local government if necessary”

“Appoint community advocates to properly explain the process and rights to stakeholders and in particular landowners, in an impartial way”



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Renewable Energy
by 2032

Thank you