



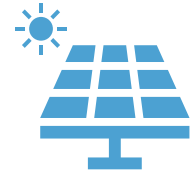
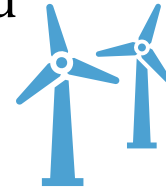
# Future Supply-Side Resource Follow-up

Resource Planning  
Dec. 8, 2022



# Inflation Reduction Act (IRA) of 2022\*

- **Signed Aug. 16, 2022**
- **Production Tax Credits (PTC)\*\***
  - \$27.50/megawatt hours (MWh), inflation-adjusted
- **Investment Tax Credit (ITC)\*\***
  - 30% tax credit
- **Possible “Bonus” Credits**
  - Additional 10% energy community credit
  - Additional 10% domestic production/content credit



\*Clarity forthcoming from federal government on more specific IRA details

\*\*Labor requirements must be met (prevailing wages/apprenticeship); Otherwise, 1/5 PTC or ITC



# IRA Uncertainty

- **Clarity still forthcoming from federal government on more specific IRA details**
  - Currently in open public comment period
- **Prevailing wages/apprenticeship requirements must be met**
  - 1/5 PTC or 1/5 ITC otherwise
- **Supply chain constraints/congestion**
- **Transmission not included in IRA; needed to facilitate IRA buildout**



# 2023 IRP Modeling of IRA (1 of 2)

Resource	IRA Modeling*
Natural Gas – CCCT (300 MW)	None
Natural Gas – SCCT (170 MW)	None
Natural Gas – Reciprocating Engine (50 MW)	None
Natural Gas – Danskin 1 CCCT Retrofit (90 MW)	None
Hydrogen – SCCT (170 MW)	PTC
Small Modular Nuclear Reactor (100 MW)	PTC
Geothermal (30 MW)	PTC
Biomass (30 MW)	PTC

\*IRA modeling impacts assumed throughout 20-year IRP planning window



# 2023 IRP Modeling of IRA (2 of 2)

Resource	IRA Modeling*
Solar (100 MW)	PTC
Wind (100 MW)	PTC
Storage: 4-Hr (5/50 MW)	ITC
Storage: 8-Hr (50 MW)	ITC
Storage: Pumped Hydro 12-Hr (250 MW)	ITC
Storage: Multi-Day 100-Hr (50 MW)	ITC

\*IRA modeling impacts assumed throughout 20-year IRP planning window



## DRAFT 2023 IRP “Placemat”

The Excel workbook *DRAFT 2023 IRP Supply Side Resource Cost Placemat.xlsx* is posted online under the Dec. 8 meeting tab at [idahopower.com/irp](http://idahopower.com/irp).