#### **AGENDA ITEM 12 - PowerPoint Presentation - Angelina Galiteva ARCHES**





## Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES) – California H2Hub

January 2024

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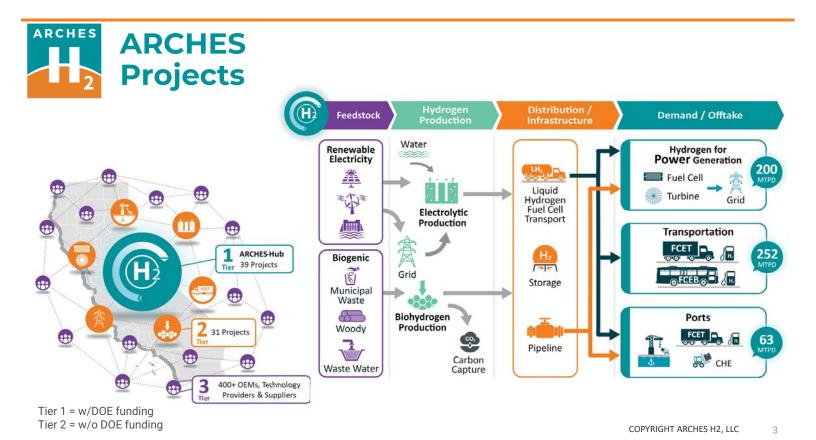


#### **ARCHES Mission**

- ARCHES is a public-private partnership to create a sustainable statewide renewable, clean hydrogen (H2) market and ecosystem in California and beyond
- ARCHES utilizes renewable resources to produce hydrogen with the objective to fully decarbonize the regional economy
- > ARCHES prioritizes
- Environmental Justice
- Equity
- Economic Leadership
- Workforce Development
- Hydrogen Market Viability

#### **U.S. Department of Energy**

# ARCHES Key Differentiators Infrastructure Availability Industry Readiness Offtake Resilience Market Catalyst Delivery Certainty \* Delivery Certainty ARCHES Principles Statewide Green/Clean Stakeholder & Community Engaged ARCHES Principles Equity & Justice Centered Aligned with State Interests Solution-Oriented Objective & Unbiased \* Multi-dimensional Connected Delivery Certainty





### **ARCHES Project Selection**

Enables Sustainable H2 Economy and the ARCHES Ecosystem

Realizes Co-Funding and Market Viability

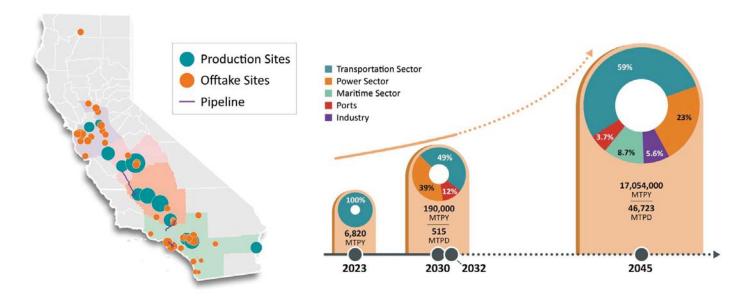
Provides Realizable and Ready Actualization

Provides Strong Community Benefits

- □ Criteria determined with stakeholders in a series of statewide meetings
- □ Projects chosen from an open RFP followed by in-depth negotiations that went into adoption scenarios and systems analysis
  - > Value proposition
  - > Market acceptance
  - Resource maturity
  - Community acceptance
  - > Project integration



# ARCHES Systems Approach Initiates Large Future Growth and Opportunities



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Our Community
Partnership Commitment

ARCHES is <u>committed</u> to partnering with communities in the development of our hydrogen energy ecosystem

Our Community Benefits Pathway is something we will chart and travel together, toward a chosen destination:

- Improved environmental health and quality of life
- Increased availability of high-quality, familysustaining green careers
- A hydrogen market aligned with California community needs



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### Realizing Benefits through Every Project

In total, ARCHES will invest \$229 million in workforce development projects and an additional \$150 million in programs defined in partnership with individual communities

**MEASURED** RESULTS

- Communities will help determine desired results and performance measures
- Community benefits scorecards will clearly report project results
- Action plans will be used for troubleshooting and keeping plans on track
- Local liaisons will hold regular community engagement meetings

**COMMUNITY BENEFITS PLANS** 

of Project **Budget** 

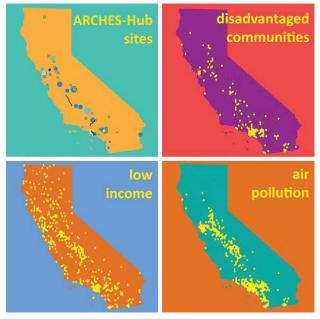
Every ARCHES project is required to allocate 1% of its budget toward community benefits

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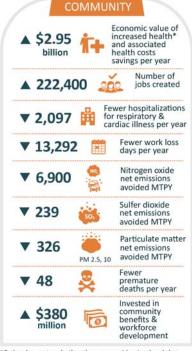
# ARCHES

**Community Benefits:** 

**Engagement** 



\*EJ40 database and CalEnviroScreen



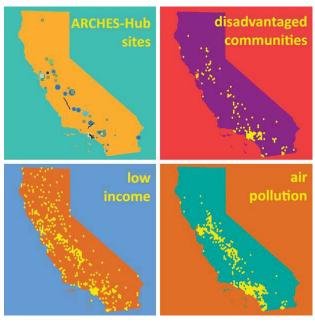
\* Reduced premature death, asthma, cancer risk, missed work days

- Community benefits plan for every project: 1% of project budget
- **Independent Community** Benefits Monitoring Team reporting to the Board w/accountability and enforcement mechanisms
- \$150M in direct community benefits
- Community benefits scorecard for assessing project success
- Tribal, Community, and Environmental/NGO representation on the board
- Weekly community engagement meetings

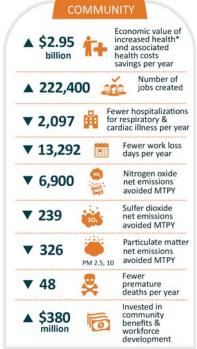


## **Community Benefits:**

Workforce



\*EJ40 database and CalEnviroScreen

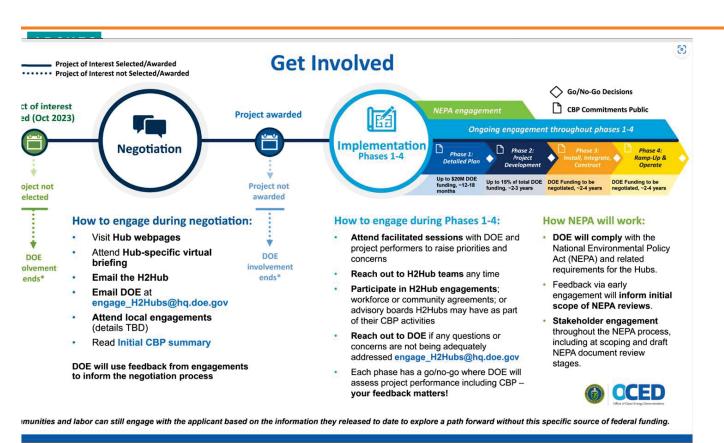


\* Reduced premature death, asthma, cancer risk, missed work days

- Community benefits plan for every project: 1% of project budget
- Labor is a full partner in ARCHES and represented on the board
- \$229M for workforce development
- Project Labor Agreements required for every project
- Comprehensive workforce development plan with training at all levels: Higher Ed, Trades, High Schools
- Over 200,000 new clean, green family-supporting jobs created

ARCHES 2









Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES)

Thank you! Questions?