### **Advancing Equity in the Policymaking Process**

#### **Engaging Vermonters in Renewable Energy Policy**

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# A tale of two questions:

What should the future of Vermont's renewable electricity policies and programs look like?



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# A tale of two questions:

What should the future of Vermont's renewable electricity policies and programs look like?

What does it look like to meaningfully engage the public in the development of those programs and policies?



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### What is the role of the Department?

The **Vermont Public Service Department** is an agency within the executive branch of Vermont state government. The Department represents the public interest in matters regarding energy, telecommunications, water and wastewater and helps carry out state energy policy (**Title 30, Section 202a**):

This means, ensuring, to the greatest extent practicable, that Vermont can meet its energy service needs:

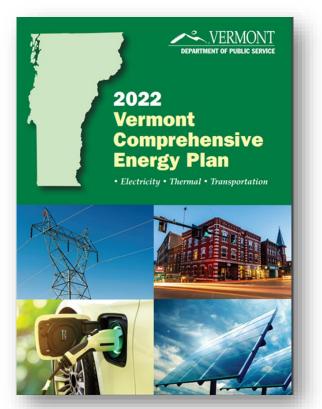
- In a manner that is **adequate**, **reliable**, **secure**, and **sustainable**
- Ensuring affordability and encouraging the state's economic vitality
- Using energy resources efficiently and managing demands cost effectively
- In a manner that will achieve greenhouse gas reductions requirements

Through this role, the Department helps oversee policies and programs in the electric sector and coordinate the Vermont Comprehensive Energy Plan and participates in development of the Vermont Climate Action Plan.



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### What motivated this work?



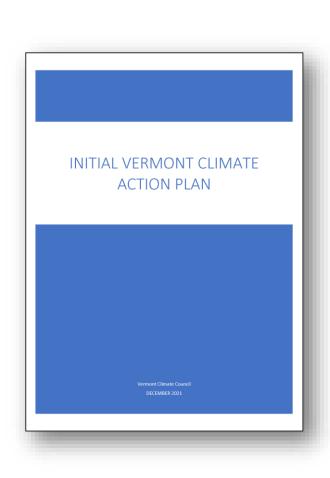
#### **2022** Comprehensive Energy Plan:

"Consider adjustments to the Renewable Energy Standard and complementary renewable energy programs comprehensively, **through a transparent and open process**. . . The Considerations should include:

- Consideration of a low-carbon or carbon-free standard, in addition to a 100% renewable energy standard
- Consideration of a cohesive set of programs to support the standard" (p.270)

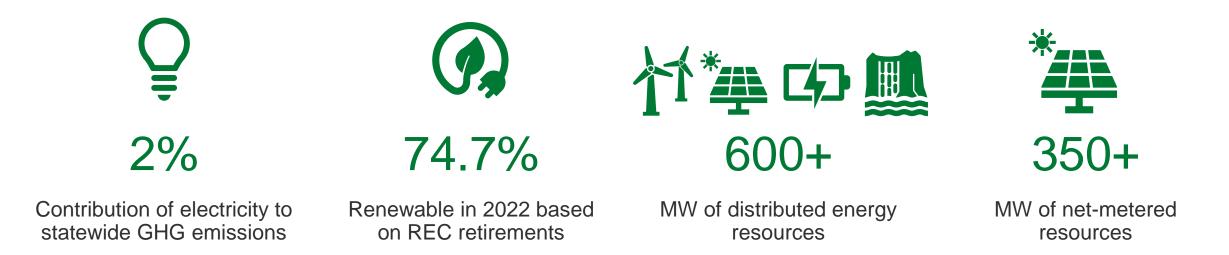
#### 2021 Climate Action Plan:

*Electric Sector Strategy 1 Pathway 1*: "Vermont should develop 100% carbon free or renewable electric portfolio standard to ensure progress continues into the 2030s and beyond while being mindful of the economic impact on cost-burdened Vermonters and maintaining the cost-effectiveness of fuel-switching to electric measures." (p.111)





### **Context: Electricity in Vermont**



Vermont is relatively far along in its transition towards renewable electricity.



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#### What motivated this work?

(3) **"Environmental Justice"** means all individuals are afforded...fair and equitable treatment and **meaningful participation in decision-making processes**, including the development, implementation, and enforcement of environmental laws, regulations, and policies.

(6) "Meaningful participation" means that all individuals have the opportunity to participate in energy, climate change, and environmental decision making...Meaningful participation also integrates diverse knowledge systems, histories, traditions, languages, and cultures of Indigenous communities in decision-making processes. It requires that communities are enabled and administratively assisted to participate fully through education and training. Meaningful participation requires the State to operate in a transparent manner with regard to opportunities for community input

No. 154 2022	Page 1 of 20						
No. 154. An act relating to environmental justice in Vermont.							
(S.1	48)						
It is hereby enacted by the General Asso	embly of the State of Vermont:						
Sec. 1. FINDINGS							
The General Assembly finds that:							
(1) According to American Journ	al of Public Health studies published in						
2014 and 2018 and affirmed by decades	s of research, Black, Indigenous, and						
Persons of Color (BIPOC) and individu	als with low income are						
disproportionately exposed to environm	ental hazards and unsafe housing.						
facing higher levels of air and water pol	llution, mold, lead, and pests.						
(2) The cumulative impacts of en	vironmental harms disproportionately						
and adversely impact the health of BIPC	DC and communities with low income,						
with climate change functioning as a thr	reat multiplier. These disproportionate						



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### Approach to the work

Scope of the renewable electricity programs and policies we were reviewing:

- **Policy:** Renewable Energy Standard 75% total renewable by 2032, with a 10% carve-out for new in-state distributed generation
- **Programs:** Standard Offer & Net-Metering support deployment of small-scale (<2.2 MW & <500kW, respectively) renewables

	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	January	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. January
2022								)	2023											2024
				0																
			Pre-Pl	anning	g Input															
J	uly 20	22: Re	quest	for In	put on	Stake	holder													
	Engag	gemen	<b>t</b> , Dec	cision (	Criteria	, Key I	ssues													

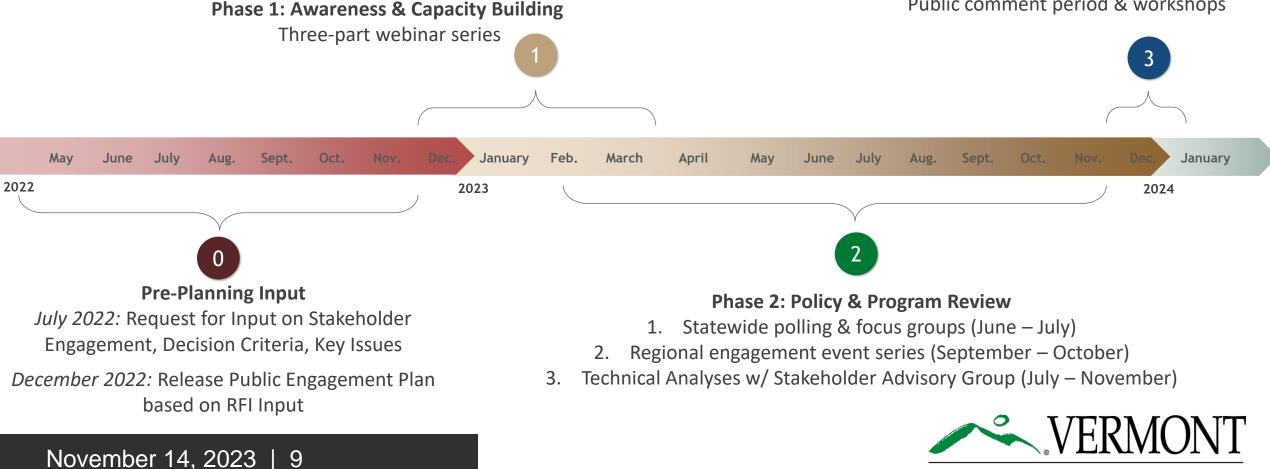


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### What did we actually do?

#### Phase 3: Recommendations & Reporting

*Coming soon!* Public comment period & workshops



## **Success: Centering Public Engagement**

...and having a budget!





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## **Success: Accountability & Data**

Setting goals required us to think intentionally about how we'd hold ourselves accountable and measure success. This helped create a baseline to compare future efforts against.

1	2	3	4				
Reach a broad array of Vermonters beyond those stakeholders already deeply engaged in these conversations	Create inclusive spaces where stakeholders feel heard and able to share their expertise and opinions	Be transparent in how feedback shared during engagement opportunities is incorporated into recommendations	Build capacity for engagement in these discussions in the long term through elevating energy literacy				
Collect and report <b>demographic</b> <b>information</b> on who participates in engagement of extunities to develop a baseline of extanding of who is (and is not) entred	Develop <b>feedback surveys</b> to request input on how accessible and in usive engagement oprocunities are and understand by to improve moving forward	Continue to publish all feedback received and record where it was or was not included in final recommendations, where appropriate	Develop accessible educational materials to support engagement opportunities and include in feedback surveys, where appropriate, questions on how people feel their understanding of the concepts under consideration has changed				

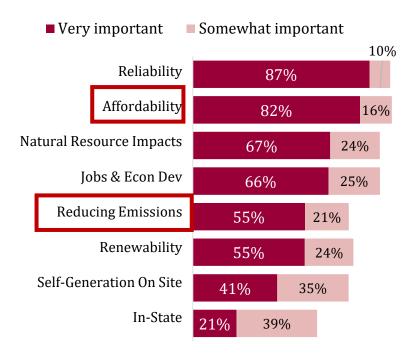


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## **Success: Multiple Engagement Touchpoints**

Allowed us to evolve strategies over time and ask similar questions to different audiences

#### Polling & Focus Groups



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#### **Stakeholder Advisory Group**

■ Very Important Somewhat important **Reducing Emissions** 90% Reliability 70% 30% Natural Resource Impacts 60% 40% Renewability 40% 50% Affordability 50% 50% Self-Generation On Site 30% 40% Jobs & Econ Dev 30% 40% 20% 40% In-State

% who say \_\_\_\_\_ is \_\_\_\_ when considering how Vermont gets its electricity

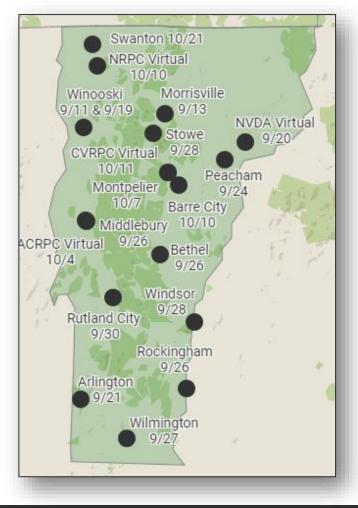
#### **Regional Events**

Emissions Reductions, Affordability, Reliability, Renewability, Natural Resources were top priorities

\*\*Observation that more energy-engaged groups seemed more focused on emissions; Less energy engaged more focus on reliability & affordability



### **Success: Partnerships**



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Helped us think outside the box & reach a broader audience



SAY WATT?

LET'S TALK ABOUT WHERE VERMONT'S ELECTRICITY COMES FROM



The Public Service Department and your local Regional Planning Commission have teamed up to ensure your voice is heard as critical energy policies are updated.



Help us determine the future of electricity in Vermont!

We are asking Vermonters:

 What are your priorities when thinking about where our electricity comes from?
How can our policies and programs better support those priorities?



Join an event near you!





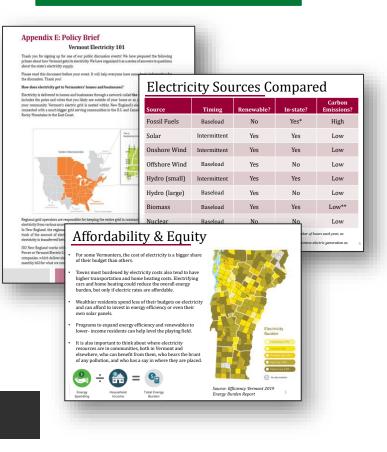


## **Lessons Learned: Education Throughout**

Instead of one phase, educational materials played a role throughout our entire process



#### Polling & Focus Groups



#### **Regional Events**

#### Different sources of electricity have tradeoffs This document compares different resource types across eight factors (four front four back) that may be important to consider when deciding where our electricity comes from AVAILABILITY\*\* RENEWABLE **RESOURCE TYPE** LOCATION DURING IN VT & CAN BE BIOMASS YES YES 55 - 97% DELIVERED TO VT IN VT & CAN BE HYDRO YES NO 36 - 66% DELIVERED TO VI IN VT\* & CAN BE FOSSIL FUELS NO YES 49 - 57%\* DELIVERED TO VI CAN BE DELIVERED NUCLEAR NO NO 91 - 93% TO VERMONT IN VT & CAN BE VEC NO 14 259/ SOLAR TRADEOFFS WIND - ONSHO VT. JOBS & ECONOMIC DEVELOPMENT EQUITY CONSIDERATIONS WIND - OFFSH How affordable is electricitu? 1990 Jobs Solar Generat (what % of income do people spend on electricitu bills i.e \*There are a small nul 1230 electricitu burden) \*\* Data from the Ener Pollution (air, water, land) Note: Load flexibility Non-woody Bior 630 n 2022 the Renewable Energy Who decides where electricitude sector supported over 5600 jobs sources are located? in Vermont. The data here show Does everyone have access what types of jobs have been 130 to the benefits of renewable 2.6% - 3.0 most prevalent in the industry, or electricitu? 2.1% - 2.5% average, between 2017-2022. Are costs and benefits of programs shared equitably? 500 1.000 1.500 2.000 NATURAL RESOURCE IMPACTS COST OF POWER This shows example amounts of land \$0.3 The price (\$/kWh) utilities pay for needed (Acre/MW) for different resources. electricity they generate or contract for although impacts to natural resources and depends on the source and characteristics and use requirements differ based on how \$0.2 (ex. size, location, keeping environmental and where a project is developed. attributes). Here are some example prices Considerations include tradeoffs for from VT utilities in 2023 benefits like carbon sequestration wildlife habitat, or food production. which save and the same and t

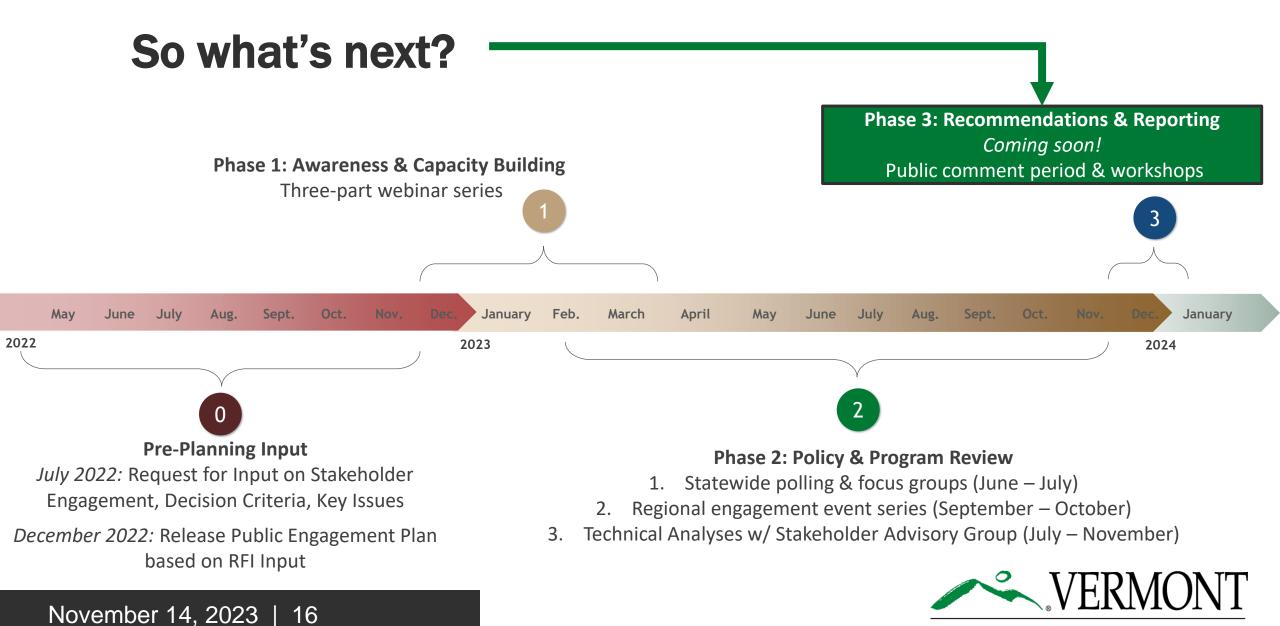
## **Lessons Learned: Prioritize Targeted Outreach**

....and have a few backup plans to reach the most impacted





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### **Thanks!**

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More information available at Publicservice.vermont.gov/renewables



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