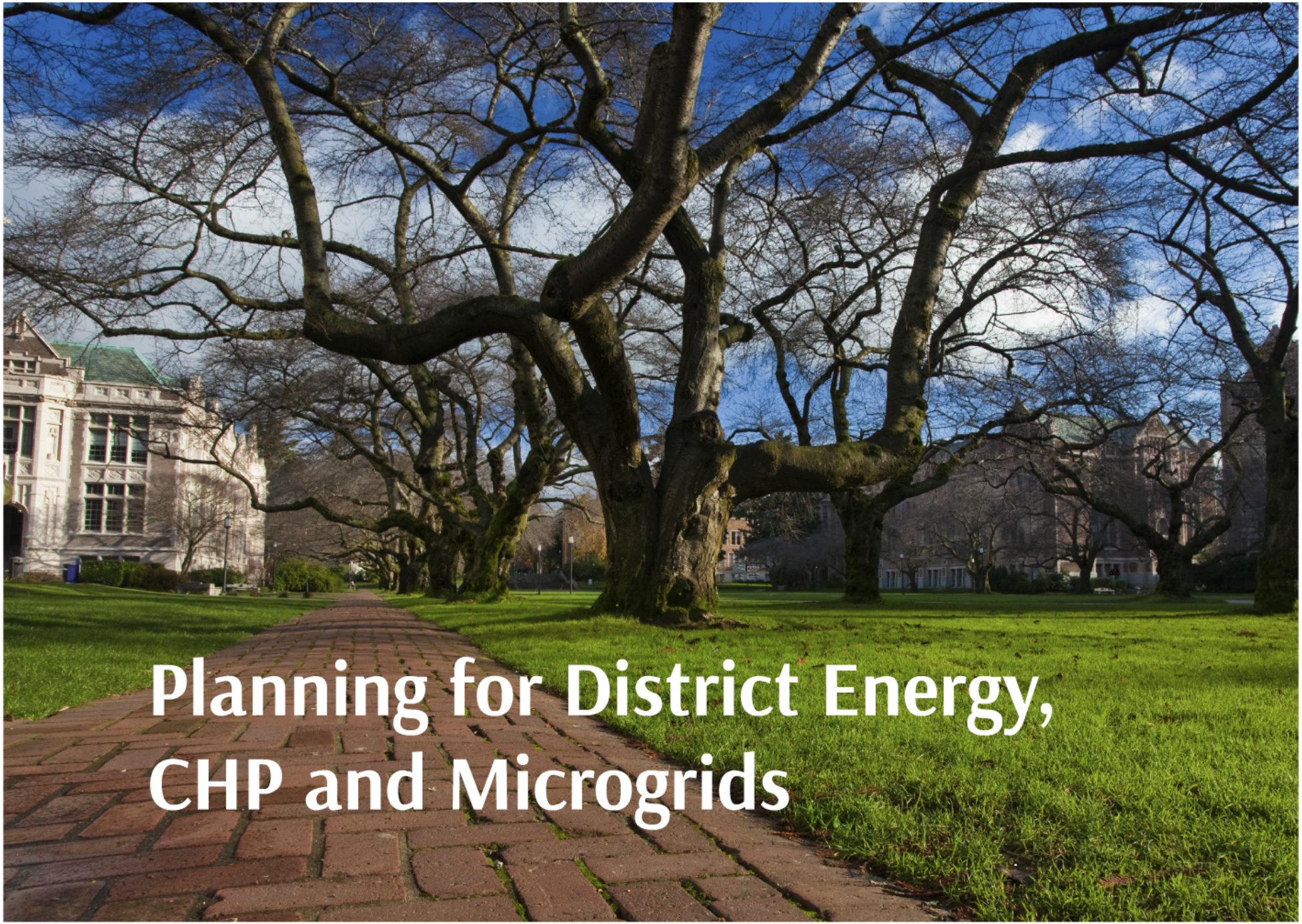
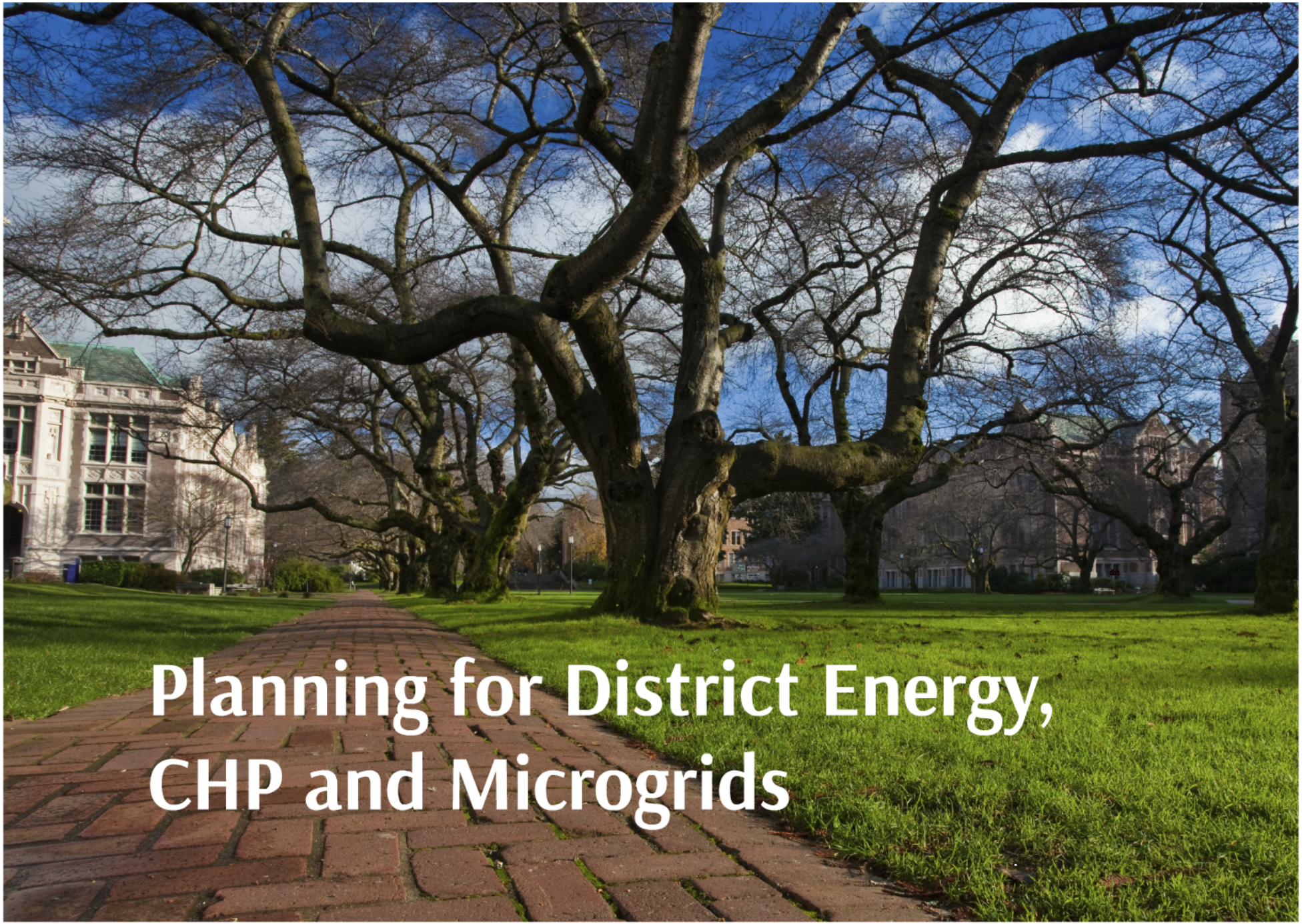
VanNess Feldman LLP



Planning for District Energy, CHP and Microgrids

VanNess Feldman LLP



Planning for District Energy, CHP and Microgrids

A checklist approach for campus administrators

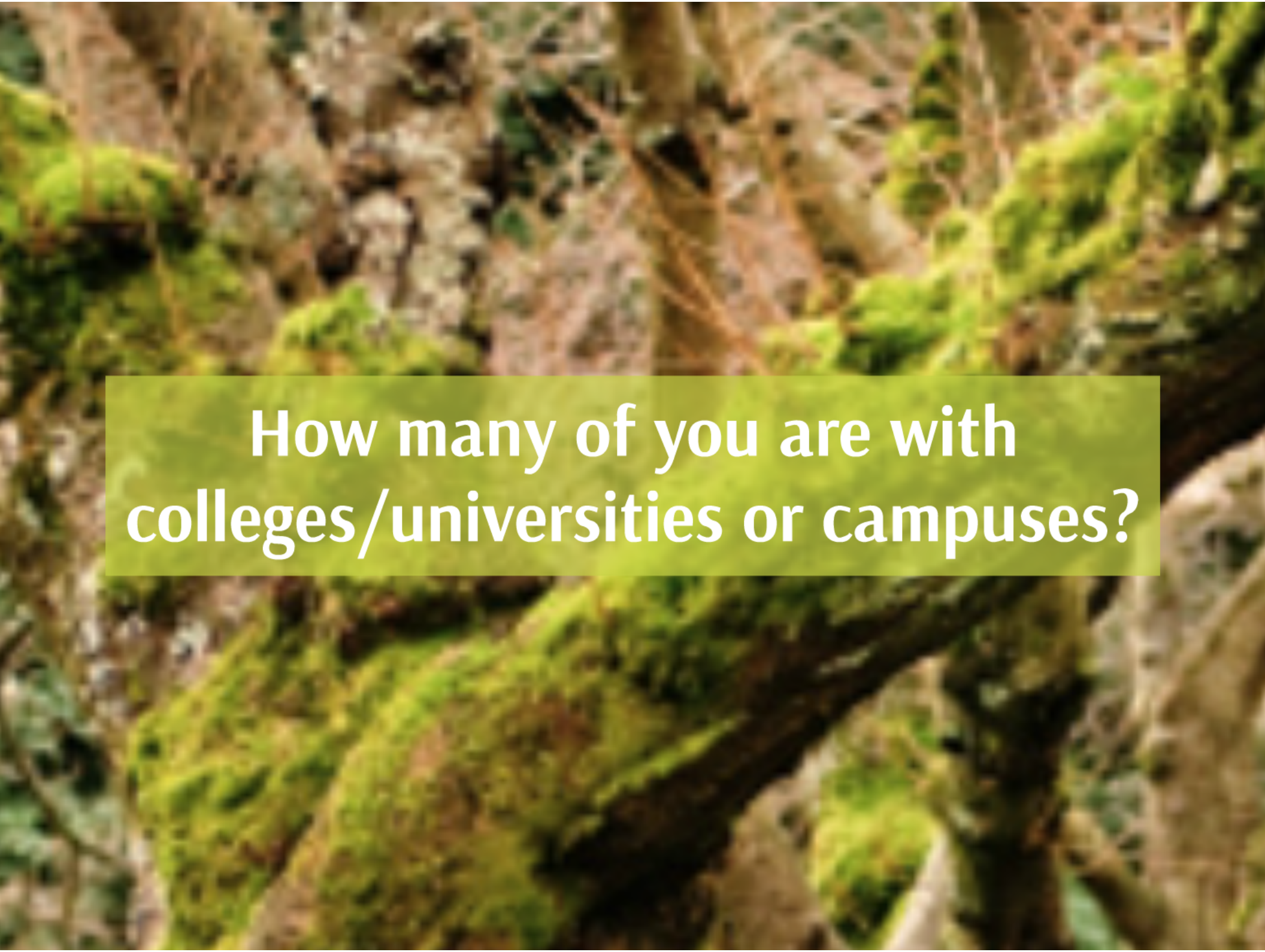
WHAT'S OUR GOAL?

make project planning and development easier and successful

Three strategies are built into the checklist:

1. Gain support
2. Minimize and address potential opposition
3. Get partners AND CREDIT

How many of you are with colleges/universities or campuses?
How many of you at colleges and campuses have DE/CHP/microgrids currently installed and in use?
Is the work you do integrated with those responsible for those policies?
How many of you want to build or add capacity soon?
How many of you know your institution's climate or sustainability policy?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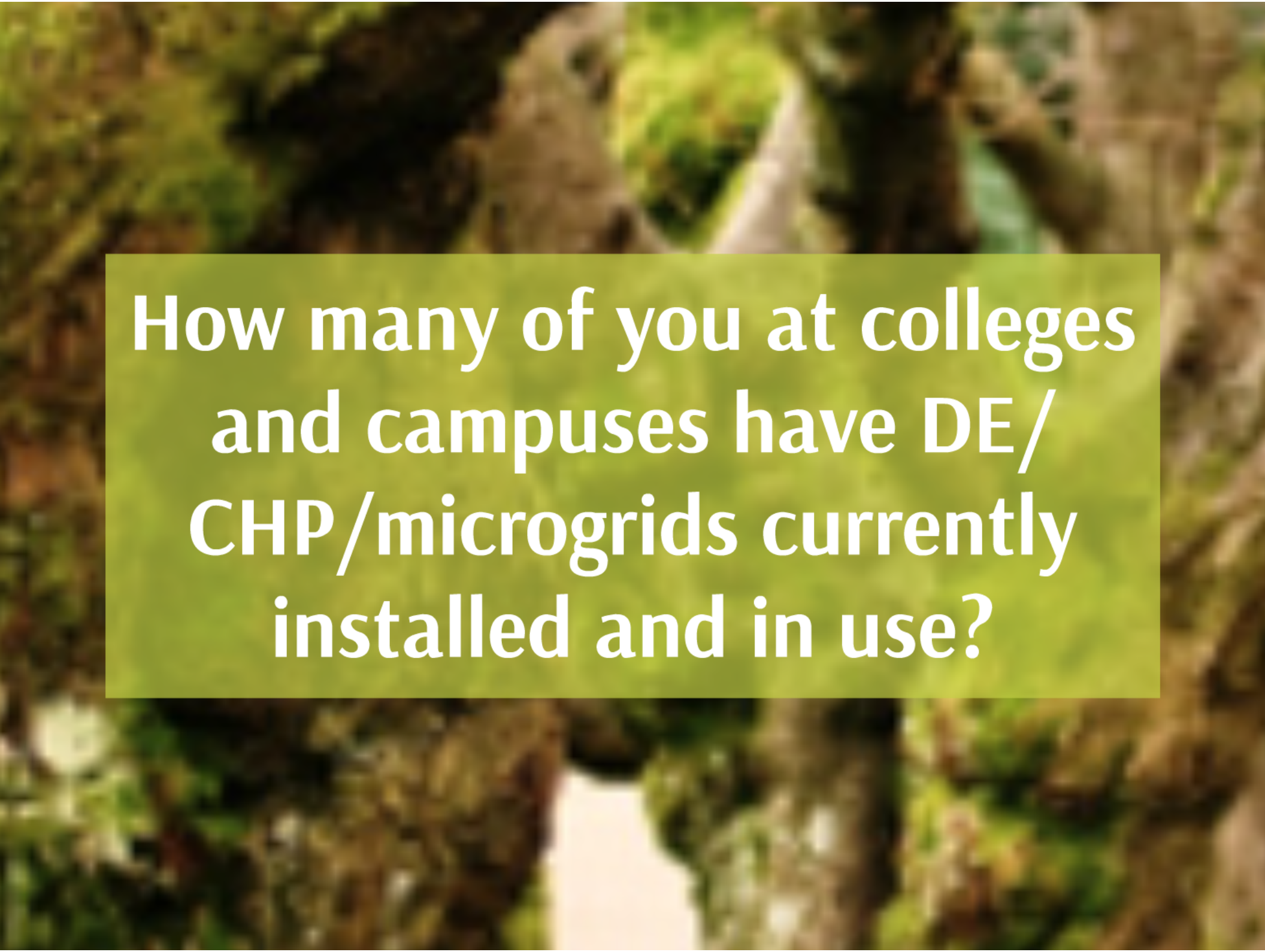
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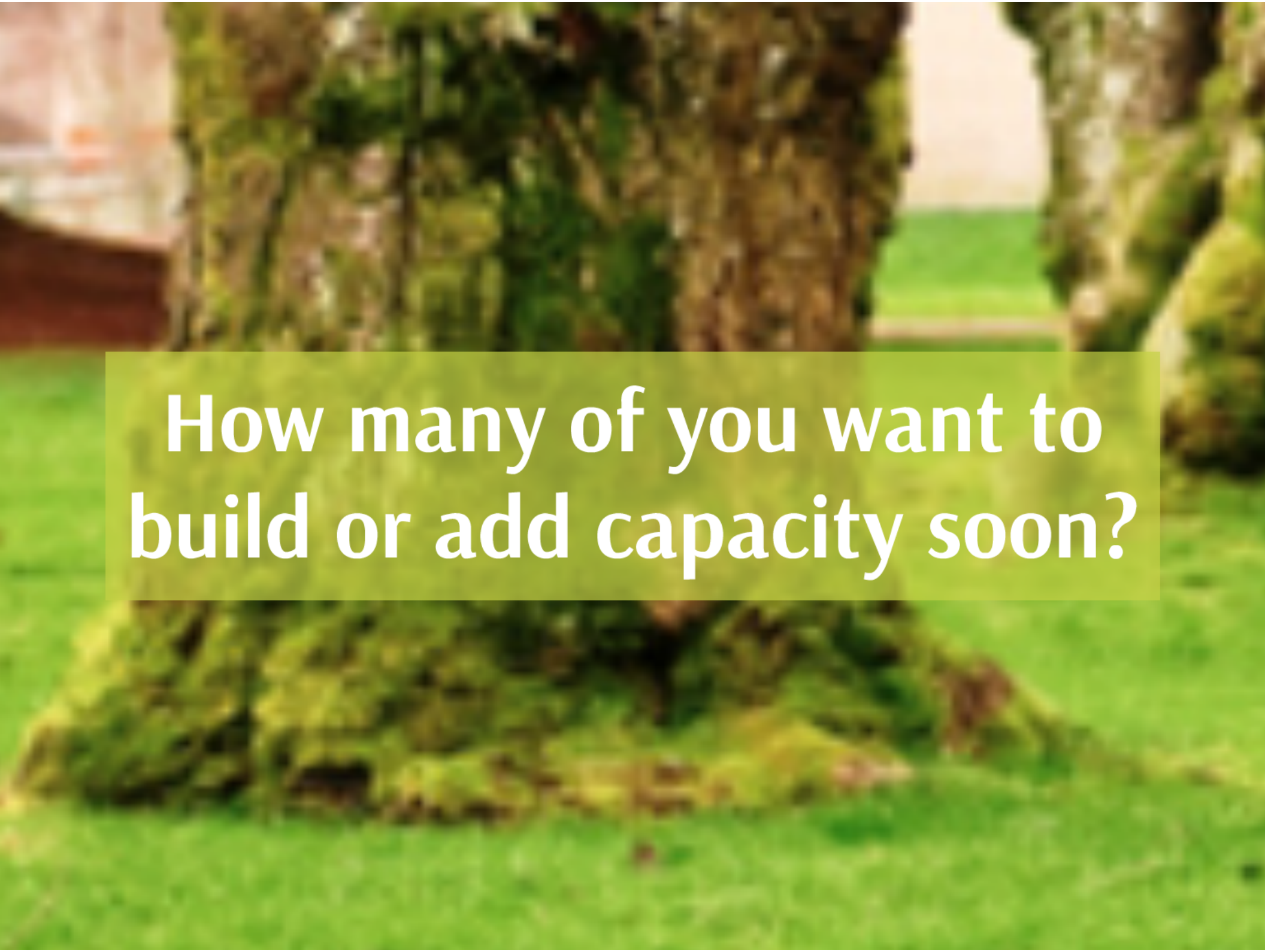
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1 Gain support

Know your campus community

- Be able to articulate your past conservation efforts and current energy resilience needs
- Know your GHG emissions and campus goals
- Know your project's potential energy cost and water usage savings
- Talk with administration faculty and student groups to understand their motivations
- Understand the objectives and priorities of your institution

2 Minimize and address potential opposition

- Contact campus planners early
- Chart out the environmental, land use and permitting requirements early
- Contact external affairs offices early
- Identify all environmental and community sensitivities early

EARLY
means at a time you can relocate or redevelop your project

3 Get partners and credit

Take your project objectives and benefits to decision makers, potential partners and supporters

- Be prepared to articulate the benefits
  - to the environment
  - to the neighboring or institutional community
  - to research
- Be prepared to explain
  - energy savings
  - cost savings
  - water savings
  - security and/or resiliency

1

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Get part

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Hypothetical issues for institutional planning

(one or more are typical on campuses)

No one wants to hear from me.
I have a campus administration that invites my ideas in participation and planning.
I am asked to live within a budget and not bring any suggestions forward.

Hypothetical issues for institutional planning

(one or more are typical on campuses)

- Growing energy demand on campus
- Environmentally active students and faculty
- Informed and active surrounding community
- Attentive permitting and regulatory agencies
- Increasing requirements for GHG reductions from campus, local communities and permitting agencies

- Space limitations on campus
- Sensitivity of research, environment, or neighbors to noise, vibration, fuel, aesthetics
- Competition for space between programs and supporting infrastructure

- Users and uses sensitive to energy interruptions
- Need for added primary or backup energy sources
- Need to address climate-changed future, i.e. drought or extreme weather
- Push for cost savings
- Water supply constraints

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ASK FOR HELP AND SUPPORT

Involve everyone you think can help

Government Agencies

Industry Colleagues

University Colleagues

Vendors

Partners for funding, data and operations

Thank you.
Questions?
Comments?

VanNess Feldman LLP

Powered by collaboration

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