



Green Choice Program

Webinar for interested Participants
January 24, 2024





Housekeeping Items

- > This webinar will be recorded and posted the GCP website following this session, slides will be sent to all participants at the end of the webinar
- > Please, be advised that you are being recorded and this information will be public
- > Share questions using the “Q&A” feature to be addressed throughout the webinar or at the end of the presentation
- > This webinar is for Participants, or organizations interested in subscribing electricity consumption to the GCP. For Proponents, please view the GCP website’s “For Proponents” tab.



Agenda

- > **Introduction**
- > **Timeline**
- > **Reminders**
- > **GCP Application Form overview**
 - Contact Information & Organization Profile
 - New NSPI Customer & Existing NSPI Customer
 - Aggregate Partnership
 - Facility and Meter Information & Enrollment Term
 - Data Verification Process
 - Climate Change and Emission Reduction Target & Authorizations
 - Carbon Cost Forecast
- > **Participant Agreement**
- > **Website Walkthrough and Q&A**

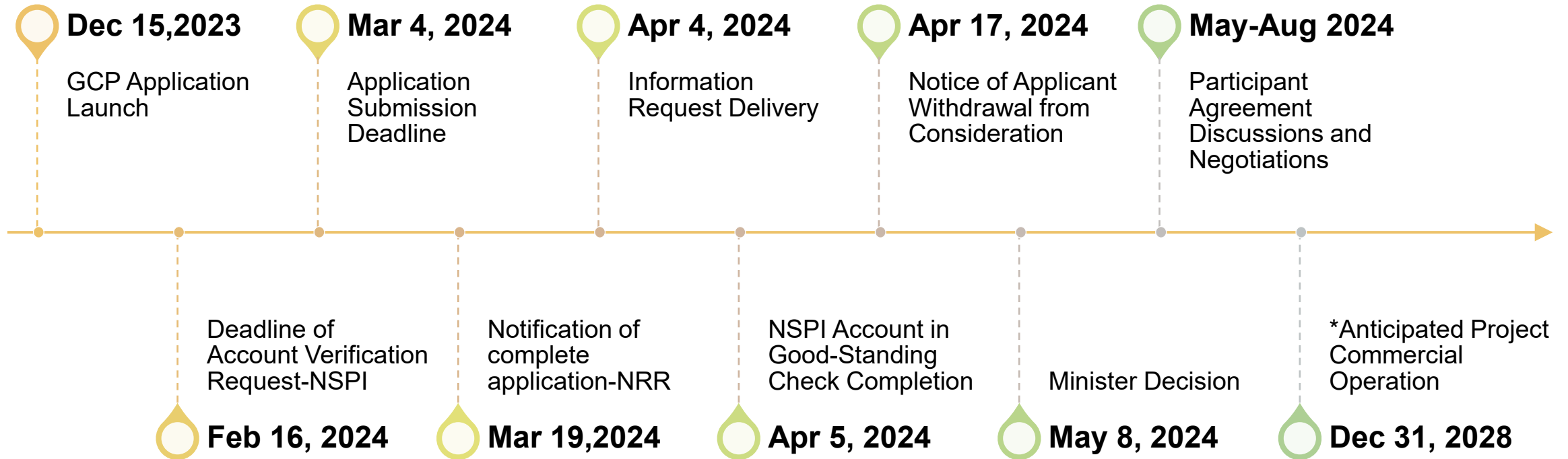
Introduction:

*The Green Choice Program is the first of its kind green tariff program designed and developed through **collaborative innovation** between the Province, Nova Scotia Power, suppliers, and large energy consumers. It will allow participants to purchase electricity from local renewable energy sources.*

- > GCP has been in design since 2021
- > This program **allows large energy users to access new renewable energy resources for their own energy consumption at facilities in Nova Scotia**
- > Nova Scotia and participants **achieve climate change goals and targets**
- > **This webinar highlights GCP timing and guidelines.**



GCP Participant Timeline



Reminders

- > GCP will try to accommodate as many participants as possible to meet your emissions reductions targets
- > Minimum electricity consumption of 10,000 MWh per year is required to apply. No maximum consumption limit is set per applicant.
- > GCP can accept up to 350 MW or approximately 1100 GWh.
- > Interested participants must share anticipated future electricity consumption needs for the term of their requested enrollment.
- > Green Choice is one available tool to use to reduce emissions - but is not likely to be the only tool applicants may need to consider to reach organizational goals



Application Form Overview (1/5)

Contact Information & Organization Profile

Contact Information	Organization Profile
<ul style="list-style-type: none">> Create two contacts (Primary and Secondary) for the purposes of the Program application.> Name(s) of authorized contact(s) with access to electricity account if different from Primary or Secondary contact(s) should be included	<ul style="list-style-type: none">> State legal name, address, and mandate> Category of organization (e.g. institutional-govt, health care, industrial, commercial business, Mi'kmaq community(ies))

Application Form Overview (2/5)

New or Existing NSPI Customer

New NSPI Customer	Existing NSPI Customer																		
<ul style="list-style-type: none">> Energy model with estimated annual electricity consumption> Timeline for interconnection with NSPI> Credit score from credit agency> Proof that new facility will be built by December 31, 2028> Business Plan and market analysis <p>Energy modelling (in MWh) is required for:</p> <ul style="list-style-type: none">> Any applications requesting above 105% of their verified electricity consumption> New customers or new facilities to be built by 2028	<ul style="list-style-type: none">> Submit energy model if requesting for new electricity to a new facility to be built on or before December 31, 2028> Calculate electricity consumption by using the average total consumption of the previous three calendar years (i.e. 2012, 2022, 2023); or> Annual energy consumption in the year directly preceding the year in which application was made whichever is the greater of those two figures <p>Example: Company A's Annual Consumption</p> <table border="1"><thead><tr><th>Electricity Usage</th><th>kWh</th><th>MWh</th></tr></thead><tbody><tr><td>Jan - Dec 2021</td><td>11,000,000</td><td>11,000</td></tr><tr><td>Jan - Dec 2022</td><td>68,000,000</td><td>68,000</td></tr><tr><td>Jan - Dec 2023</td><td>72,000,000</td><td>72,000</td></tr><tr><td>Total Annual Consumption</td><td>151,000,000</td><td>151,000</td></tr><tr><td>Total Annual Average</td><td>50,333,333</td><td>50,333</td></tr></tbody></table> <p>In this example you would enroll 72,000 MWh per year, as the annual consumption in the 2023 calendar year was greater than the total average annual consumption over three-years.</p>	Electricity Usage	kWh	MWh	Jan - Dec 2021	11,000,000	11,000	Jan - Dec 2022	68,000,000	68,000	Jan - Dec 2023	72,000,000	72,000	Total Annual Consumption	151,000,000	151,000	Total Annual Average	50,333,333	50,333
Electricity Usage	kWh	MWh																	
Jan - Dec 2021	11,000,000	11,000																	
Jan - Dec 2022	68,000,000	68,000																	
Jan - Dec 2023	72,000,000	72,000																	
Total Annual Consumption	151,000,000	151,000																	
Total Annual Average	50,333,333	50,333																	

Application Form Overview (3/5)

Aggregate Partnership

- > Aggregate partnerships in this context refer to **collaborative agreements between two or more separate (different) eligible public institutions**
- > Aggregate Partnerships **must be formalized in writing, signed by all parties in the partnership, and submitted** as part of the application process.
- > **Identify lead organization** on behalf of the partnership and provides written authorization for application intake processes on behalf of all partners within the aggregate partnership.
- > **Attach executed MOA** (or similar documentation) with authority to bind the organization must be submitted as part of an aggregated partnership application.
- > Legal names of all partners in the partnership

Application Form Overview (4/5)

Facility Meter Information & Enrollment Term

Facility and Meter Information	Enrollment Term
<ul style="list-style-type: none">> Facility and Meter Information> Total number of facilities enrolling to the program> Total number of electricity meters	<ul style="list-style-type: none">> Enrollment terms are in five-year increments, to a maximum of 25 years, to match Power Purchase Agreements> The term starts when the renewable energy serving your needs achieve commercial operations> Subscription may not exceed 120% of annual electricity consumption

Data Verification Process

- > What is required? (account numbers, addresses, and authorization)
- > What is the process?
- > How do I know who is authorized?
- > How do I add myself or others to the authorized account list?
- > Why is the timeline earlier than the application deadline?



NS Power Sign Off

Nova Scotia Power - Account Consumption Data for the Green Choice Program Applicaton

Applicant Name : _____

	2021	2022	2023	Total
Dept # 1	6,542,369	6,321,547	5,932,547	18,796,463
Dept # 2	1,234,567	1,122,334	1,098,765	3,455,666
Dept # 3	2,955,412	2,935,421	2,912,568	8,803,401
Dept # 4	1,795,235	1,768,521	1,755,101	5,318,857
Dept # 5	8,989,745	8,787,878	7,878,787	25,656,410
Dept # 6	3,250,002	3,245,784	3,241,368	9,737,154
Dept # 7	9,865,321	8,765,432	8,875,412	27,506,165
Dept # 8	1,187,000	1,168,500	1,154,632	3,510,132
Dept # 9	2,165,847	2,035,698	2,000,365	6,201,910
Dept # 10	3,165,201	3,085,020	3,068,214	9,318,435
Total	41,150,699	39,236,135	37,917,759	118,304,593

This consumption data totals are in kWh as shown on your energy bill.

The above usage data has been pulled and verified by NS Power on (enter date), to be included with your Green Choice Application.

It has also been confirmed that all applicant accounts are in good standing.

Name : _____

Signature : _____

Date : _____



Application Form Overview (5/5)

Climate Change and Emission Reduction Target & Authorization

Climate Change and Emission Reduction Target	Authorization
<ul style="list-style-type: none">> All applicants must include their climate change and emission reduction target and timeliness> Organizations with near climate change and emission reduction target will be considered first in the application process	<ul style="list-style-type: none">> Application form must be signed by the person with legal authority to take decision on their organization behalf

2026 to 2035 Forecast Carbon Cost

Evergreen Integrated Resource Plan (IRP) Model Results¹
as at April 2023

Evergreen IRP Scenario CE1-E1-R2

- CE1 = clean energy policy Net-Zero 2035
- E1 = electrification at current policy and trends
- R2 = resource strategy excludes Atlantic Loop

Additional Forecast Assumptions & Notes

- All figures are forecasts only, based on multiple assumptions, and therefore are subject to change based on the provincial output-based pricing system (OBPS) Regulations and/or other applicable policy
- The price of carbon is currently known up to, and including, 2030. Beyond 2030, the carbon cost forecast uses a year-over-year escalation rate of 2% (i.e. for years 2031 to 2050, inclusive)
- The forecast carbon cost is based on forecast of annual electricity sales using the Evergreen IRP modeled grid mix for each period. A range of +/- 30% is applied on the 'base' (i.e. Evergreen IRP scenario CE1-E1-R2) carbon cost
- NS Power intends to update this forecast on an annual basis, as an informational tool for Green Choice Program participants

Year	Forecast Carbon Cost Range (\$ per MWh)
2026	1.26 to 2.61
2027	1.84 to 3.82
2028	2.80 to 5.82
2029	4.65 to 9.66
2030	4.36 to 9.07
2031	3.86 to 8.01
2032	3.99 to 8.29
2033	3.24 to 6.72
2034	3.78 to 7.85
2035	6.17 to 12.82

¹ Details on the 2020 IRP & the 2022 Evergreen IRP are available at irp.nspower.ca

Participant Agreement

Minimum Requirements

- > Execute **90 days prior to the commercial operation** of renewable energy projects selected.
- > Terms and conditions of PA do not begin until renewable energy projects are operational. NSPI will provide notice to Participants when this will occur.
- > **Term of subscription** (5-25 years)
- > **Subscription amount** in kWh per year
- > Notice to **terminate** term within 90 days.
- > Notice to **renew** term within 90 days.
- > May **assign or transfer subscription** to a subsidiary or affiliated party.
- > **Amendments** allowed where both parties agree.
- > **Reallocation and notice of program capacity where it is available**
 - > First come, first served process for reallocation.

May Include

- > Pre-project commercial operation **check-in and adjustment** of electricity subscription.
- > **Limits for actual upward or downward consumption** beyond the Participants subscribed electricity where an adjustment may be required.
- > **REC** compliance and issuance
- > Participants **priority assignment** for capacity as projects achieve commercial operation.
- > **Change of provincial law provisions** that trigger amendments
- > **Failure of renewable energy projects** to provide participants with electricity required
- > **Billing** provisions for cost and credit
- > **Reporting**
- > **Penalties** for significant adjustments to subscription (%)

Thank you

Website Walkthrough & Q&A

- > Website: <https://novascotiagcp.com/>
- > NRR: greenchoice@novascotia.ca
- > NSPI: greenchoice@nspower.ca
- > Coho: novascotia@cohoclimate.com

