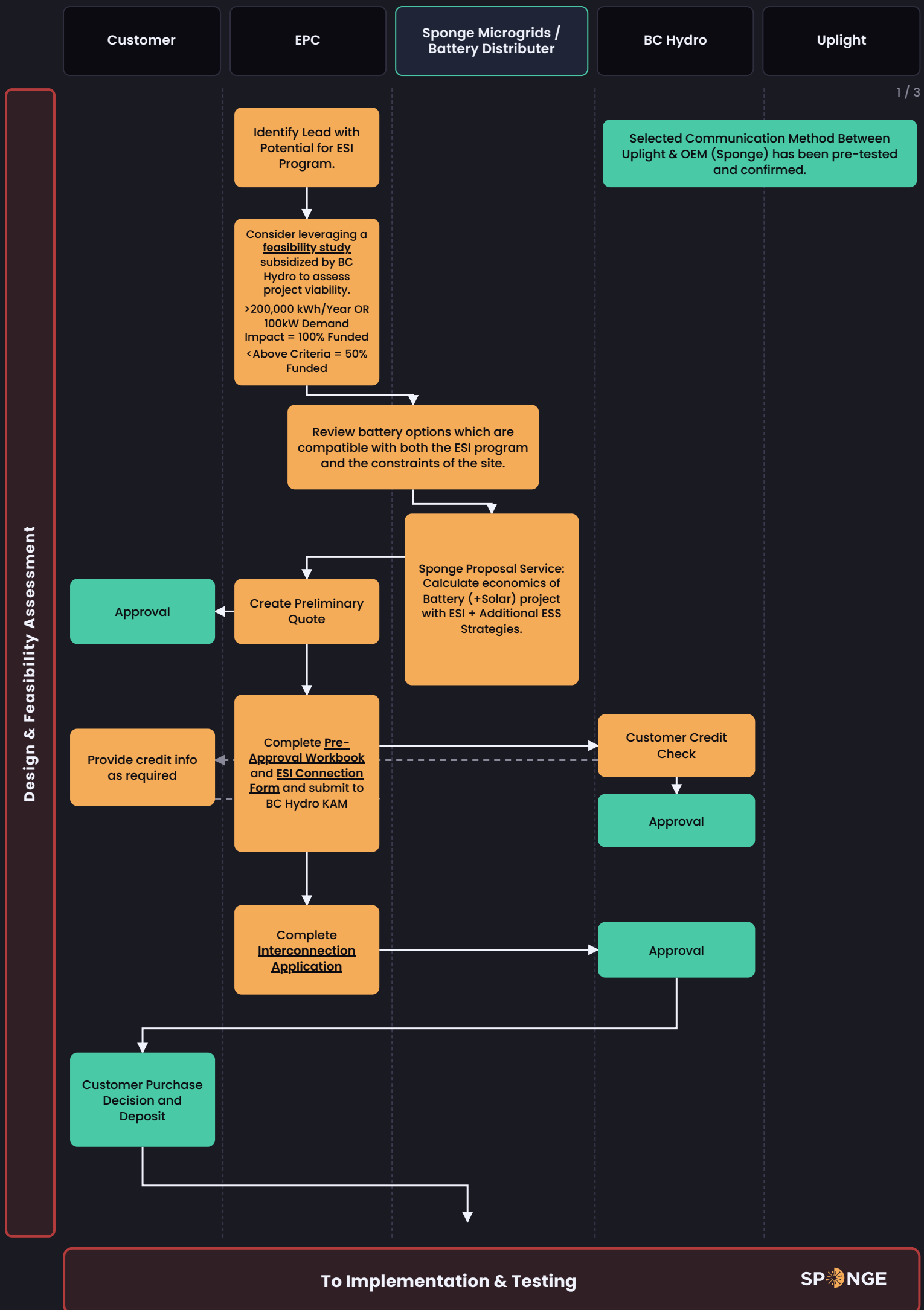
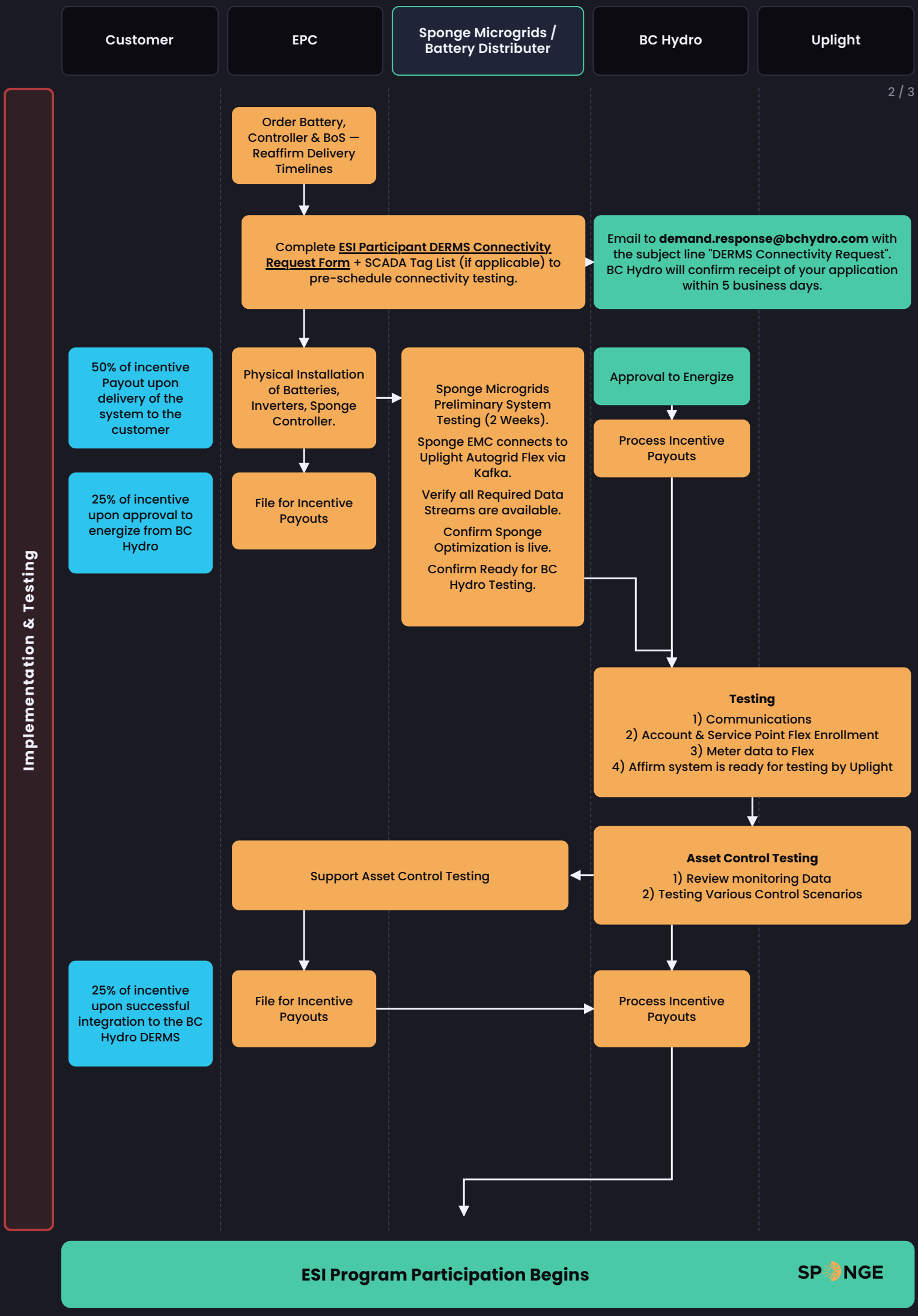

Customer
EPC
Sponge Microgrids / Battery Distributer
BC Hydro
Uplight
Design & Feasibility Assessment
Identify Lead with Potential for ESI Program.
Selected Communication Method Between Uplight & OEM (Sponge) has been pre-tested and confirmed.
Consider leveraging a feasibility study subsidized by BC Hydro to assess project viability.
>200,000 kWh/Year OR 100kW Demand Impact = 100% Funded
<Above Criteria = 50% Funded
Review battery options which are compatible with both the ESI program and the constraints of the site.
Sponge Proposal Service: Calculate economics of Battery (+Solar) project with ESI + Additional ESS Strategies.
Create Preliminary Quote
Approval
Complete Pre-Approval Workbook and ESI Connection Form and submit to BC Hydro KAM
Provide credit info as required
Customer Credit Check
Approval
Complete Interconnection Application
Approval
Customer Purchase Decision and Deposit
To Implementation & Testing
SPONGE


Customer
EPC
Sponge Microgrids / Battery Distributer
BC Hydro
Uplight
Implementation & Testing
Order Battery, Controller & BoS — Reaffirm Delivery Timelines
Complete ESI Participant DERMS Connectivity Request Form + SCADA Tag List (if applicable) to pre-schedule connectivity testing.
Email to demand.response@bchydro.com with the subject line "DERMS Connectivity Request". BC Hydro will confirm receipt of your application within 5 business days.
50% of incentive Payout upon delivery of the system to the customer
Physical Installation of Batteries, Inverters, Sponge Controller.
Sponge Microgrids Preliminary System Testing (2 Weeks).
Sponge EMC connects to Uplight Autogrid Flex via Kafka.
Verify all Required Data Streams are available.
Confirm Sponge Optimization is live.
Confirm Ready for BC Hydro Testing.
Approval to Energize
Process Incentive Payouts
25% of incentive upon approval to energize from BC Hydro
File for Incentive Payouts
Testing
1) Communications
2) Account & Service Point Flex Enrollment
3) Meter data to Flex
4) Affirm system is ready for testing by Uplight
Asset Control Testing
1) Review monitoring Data
2) Testing Various Control Scenarios
Support Asset Control Testing
25% of incentive upon successful integration to the BC Hydro DERMS
File for Incentive Payouts
Process Incentive Payouts
ESI Program Participation Begins
SPONGE

Reference Documentation

- **Main Energy Storage Incentive Webpage**

- **ESI Process Document**
  A breakdown of how to interact with BC Hydro to claim the incentive.

- **BC Hydro Feasibility Study (Rebate)**
  Instructions for how to be compensated for battery project viability analysis. Sponge Battery Proposal Service is an eligible expense.

- **ESI Customer Program Manual**
  Go here to understand how the incentive is calculated, clawback clauses, and other important program details.

- **ESI Workbook**
  To be filled out during initial screening.

- **ESI Vendor Connection Form**
  To be filled out during initial screening — this is where you specify that you are using Sponge as your "system integrator" to receive and execute battery deployment calls from BC Hydro's DERMS.

- **ESI Connectivity Guide & ESI Participant DERMS Connectivity Request Form**
  Fill this form once your battery has been ordered to begin coordinating post-installation & commissioning DERMS connectivity tests with BC Hydro.

- **BESS Best Practices**
  Pay special attention to Section 7 which outlines BC Hydro's battery design protocols for various building types. Should be carefully reviewed during the feasibility study process. Check if your proposed system requires a Hazard Mitigation Analysis.