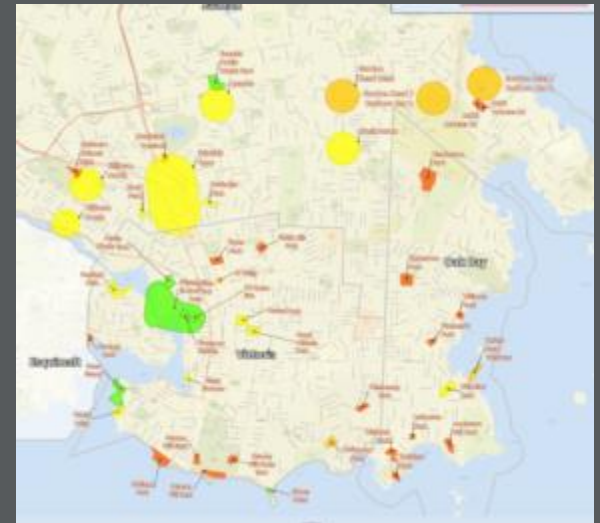


Site Prioritization and Distributed Option Set

Eastside Select Committee

July 28, 2015



Overview and Background

- April-July process to narrow sites and options
 - *Link public input with sites and option sets*
 - *Respect authorities and parallel processes*
- Reprioritize list of sites
 - *Next layer of technical feasibility*

Sites Process

Technical Mapping
to Support Local
Councils



Full List of
Eastside Sites

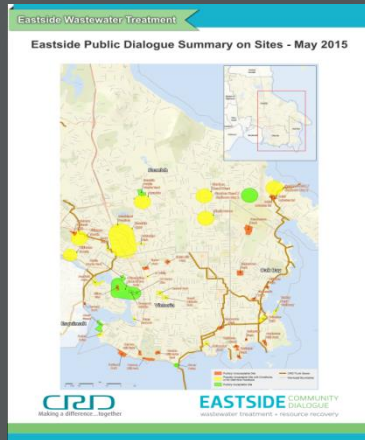
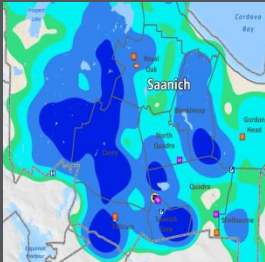
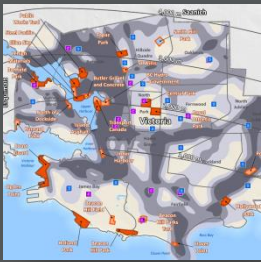


Ongoing
Engagement to
Assess Acceptability



Further
Technical
Prioritization

Phase 2
Feasibility
Analysis



EASTSIDE COMMUNITY DIALOGUE
wastewater treatment + resource recovery



Reprioritize

- Advance feasibility to sort for most preferred
 - *Include CRD pumpstations + Council supported sites*
- Use agreed-upon technical + public criteria
 - *Detailed feasibility in Phase 2*
- Distributed Option Set based on most preferred sites

Option Set Development

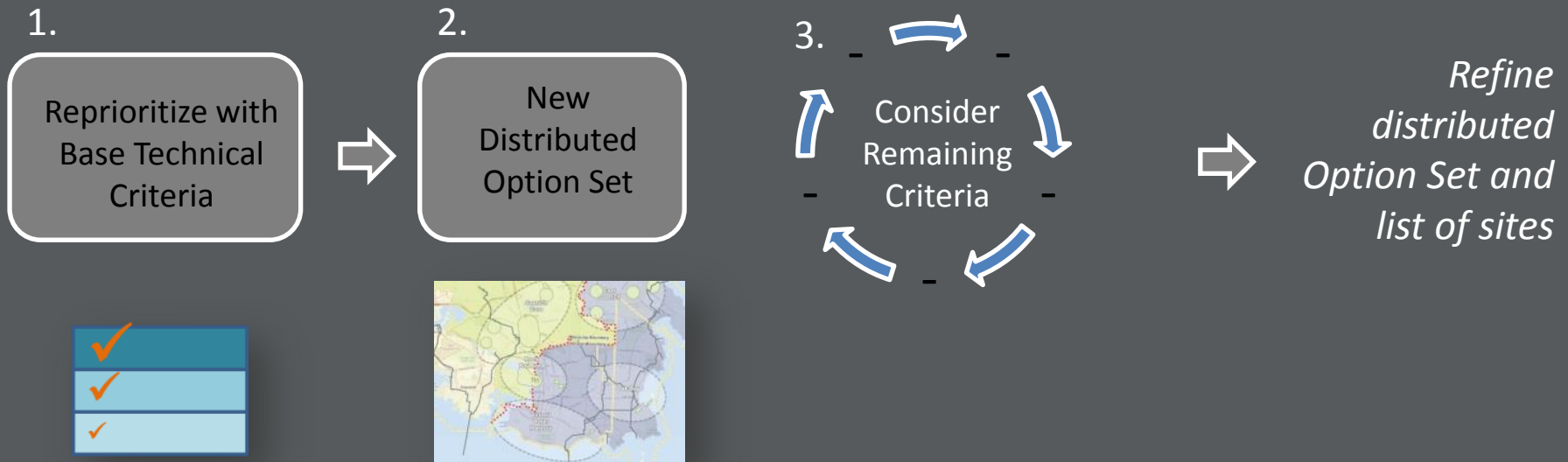
- Functional approach to treatment recovery in plausible locations
 - *Review area around preferred sites for technical possibilities;*
- Look for Option Sets that minimize new infrastructure and deliver on resource recovery
 - *Iterate*

Option Set Development con't

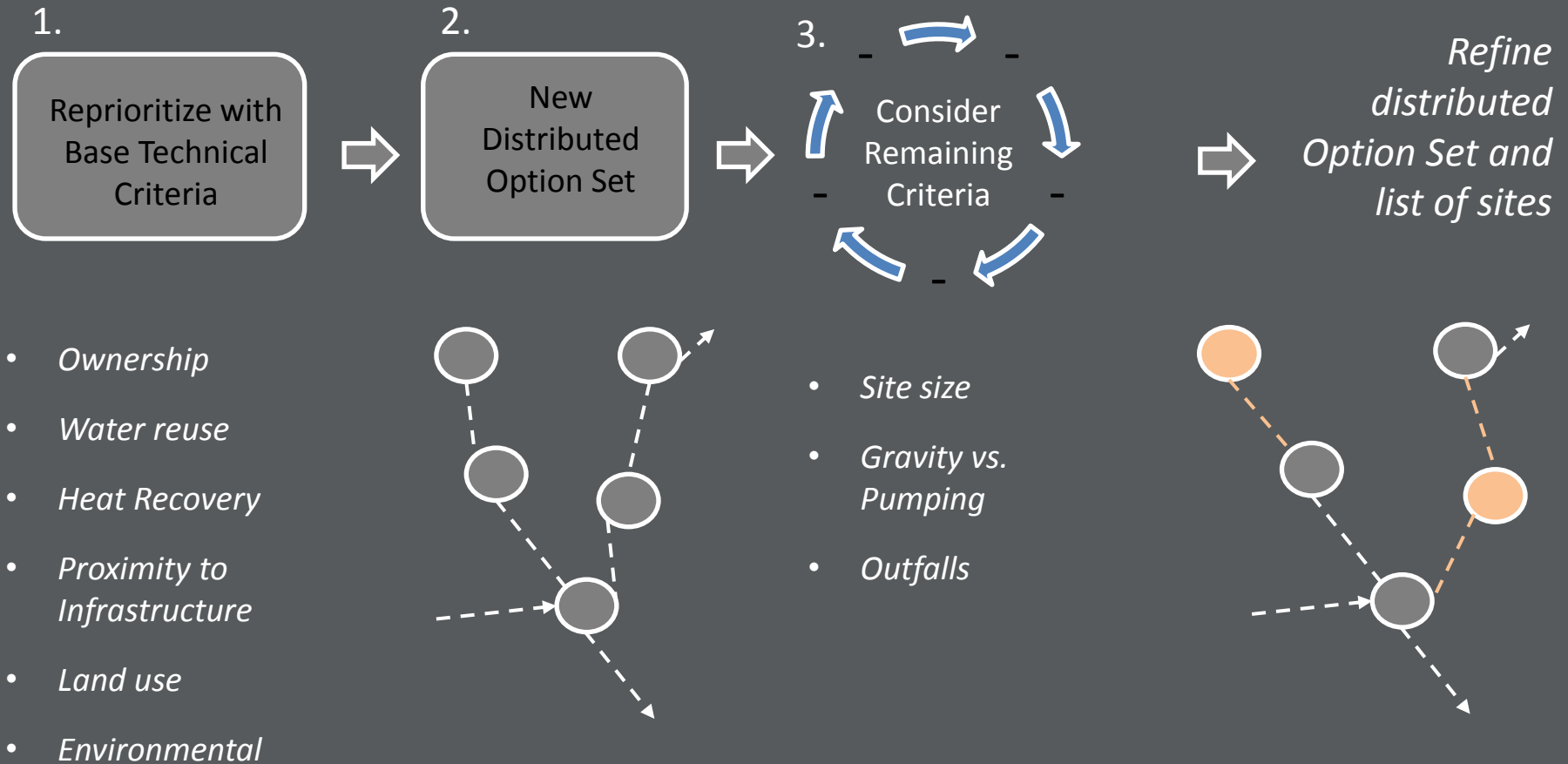
- Incorporate range of flows
 - *Wet-weather, tertiary, Westside, reuse*
 - *Scale facilities to suit neighborhood and available flows*
- Maximize recovery in a distributed model
 - *Site size, water reuse, distributed residual solids*

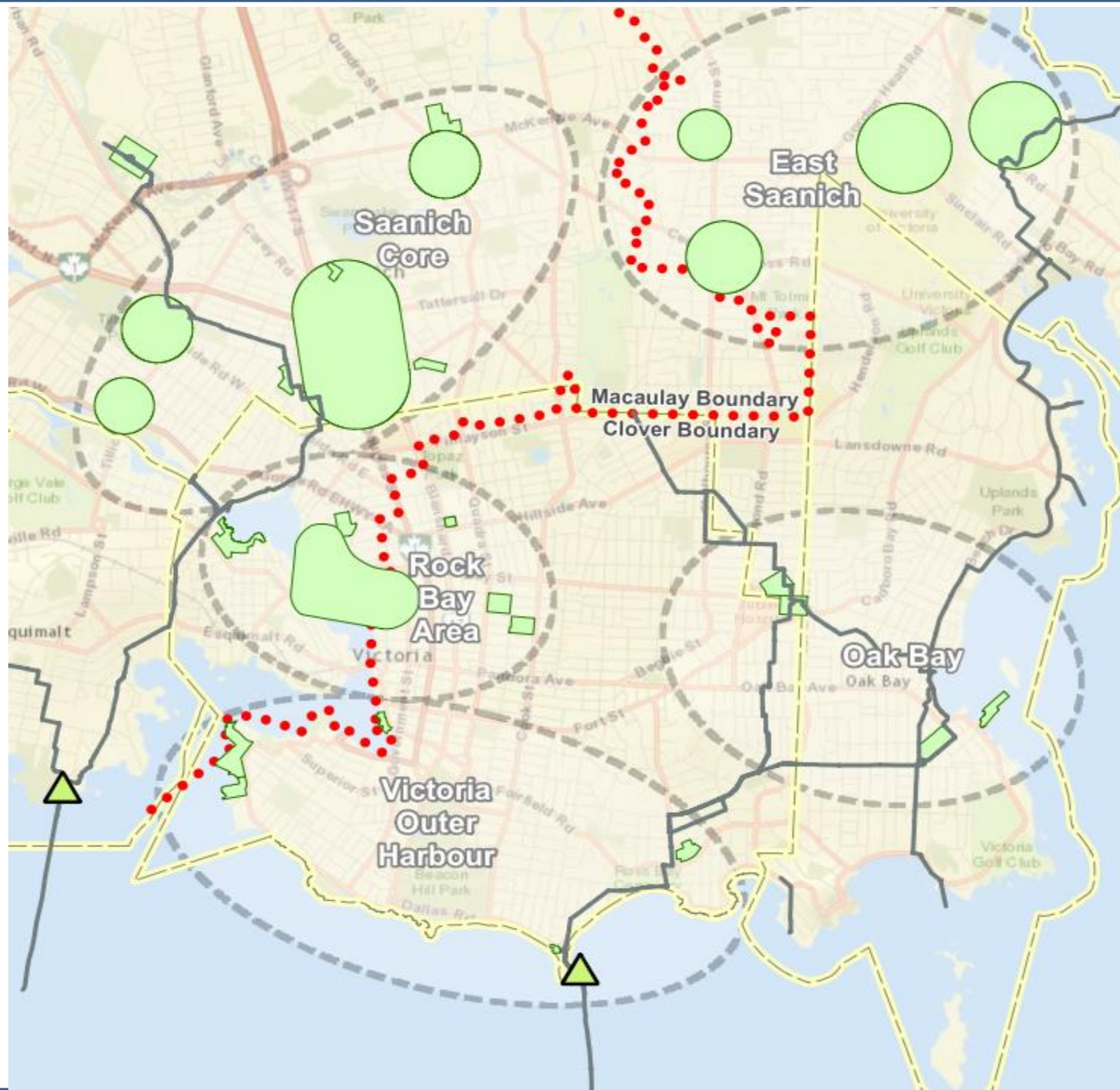
Reprioritize Approach

- ✓ Project Commitments
- ✓ Technical Criteria: *three-step process*
- ✓ Eastside Dialogues



Reprioritize Approach





Emerging Sites from Reprioritization

Emerging Sites from Reprioritization

Emerging Sites from Reprioritization

Emerging Sites from Reprioritization

Emerging Sites from Reprioritization



Emerging Sites from Reprioritization

- Rudd Park
- Municipal Precinct
- Saanich Core
- Saanich Public Works
- Marigold PS

Emerging Sites from Reprioritization

- Victoria PW Yard
- BC Hydro-Transport Canada
- Central Park

Emerging Sites from Reprioritization

- Clover PS
- Ogden Point



Emerging Sites from Reprioritization

- Shelbourne
- Gordon Head
- Penrhyn PS

Emerging Sites from Reprioritization

- Trent PS
- Royal Jubilee

Emerging Sites from Reprioritization

- *Rudd Park*
- **Municipal Precinct**
- *Saanich Core Private*
- *Saanich Public Works*
- **Marigold PS**

Emerging Sites from Reprioritization

- **Victoria PW Yard**
or
- **BC Hydro-Transport Canada**
- *Central Park*

Emerging Sites from Reprioritization

- **Clover & Ogden Pt**

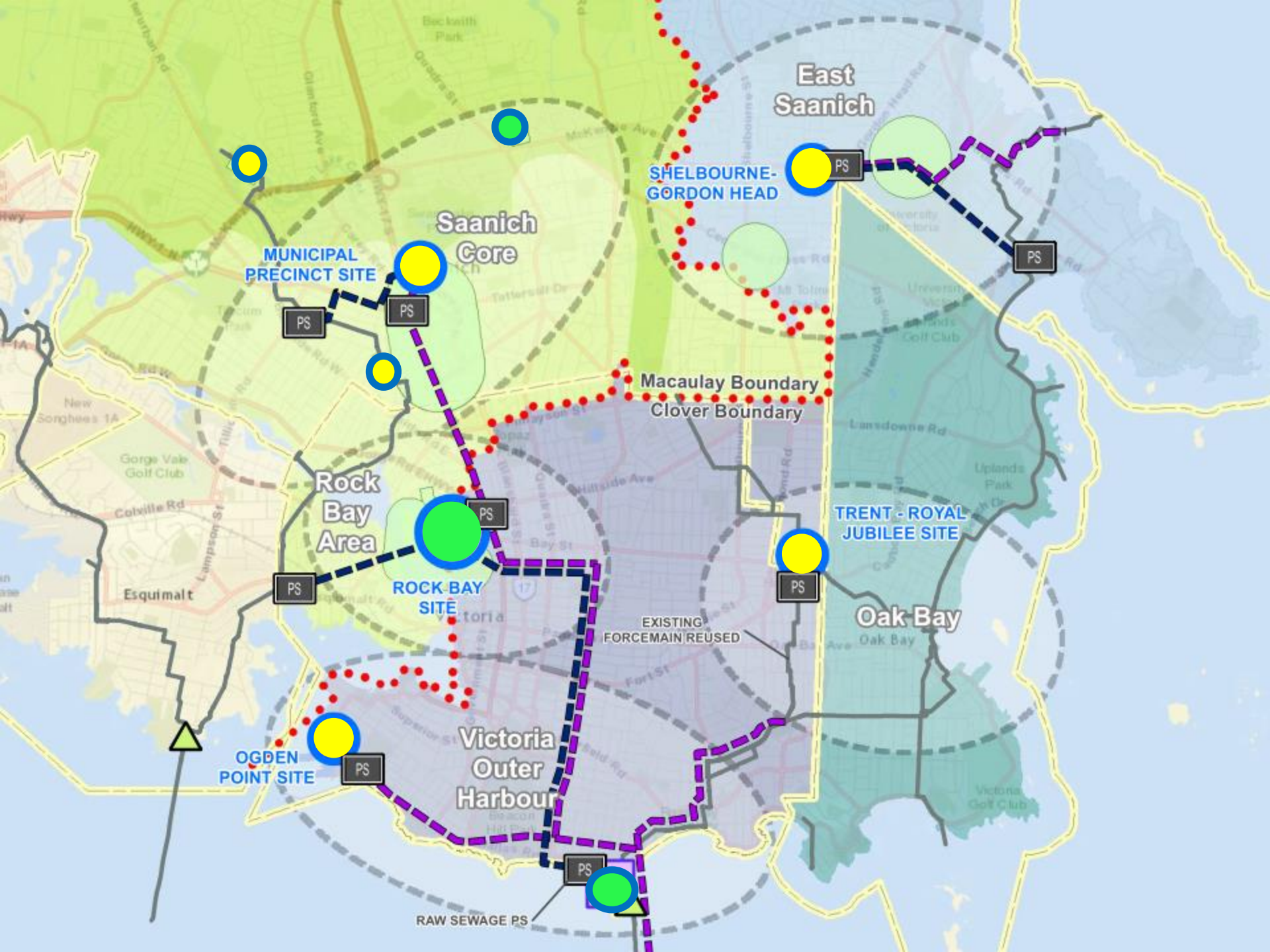


Emerging Sites from Reprioritization

- **Shelbourne**
or
- **Gordon Head**
- *Penrhyn PS*

Emerging Sites from Reprioritization

- **Trent-Jubilee**



East Saanich

SHELBOURNE-GORDON HEAD

Saanich Core

MUNICIPAL PRECINCT SITE

Macaulay Boundary
Clover Boundary

Rock Bay Area

ROCK BAY SITE

TRENT - ROYAL JUBILEE SITE

Oak Bay

EXISTING FORCEMAIN REUSED

OGDEN POINT SITE

Victoria Outer Harbour

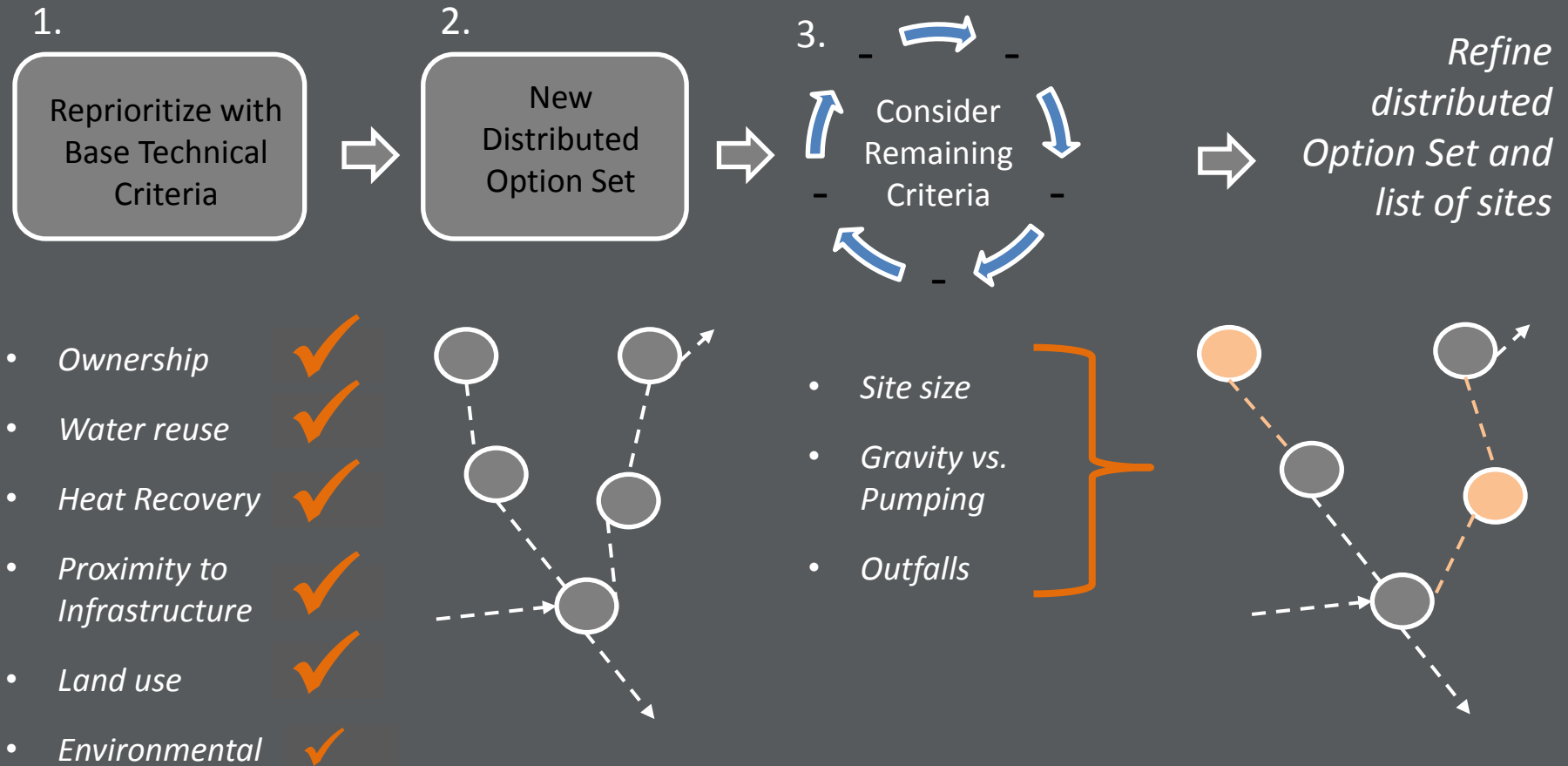
RAW SEWAGE PS

New Distributed Option Set

- 5 Plants for all Eastside flows
- Phase 2 consideration to more than 1 facility in Saanich Core site node
- Tertiary treatment focus w/ added process for reclamation
- Land uses include institutional, industrial, commercial
- Solids processing central or distributed (further study)
- Ability to accommodate all Core Area flows as needed
- Reprioritized to 14 sites

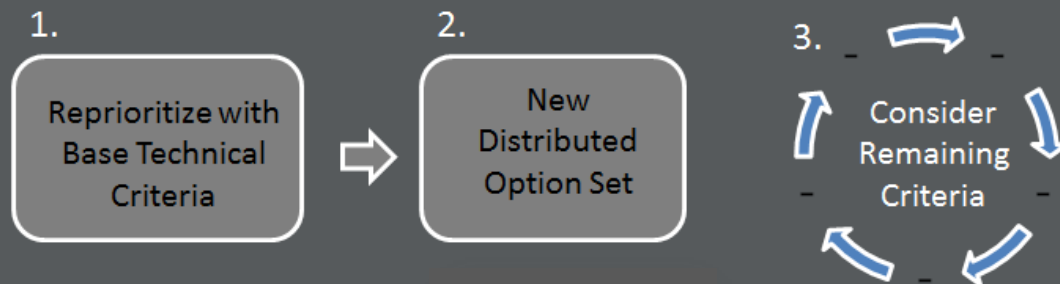


Reprioritize Approach



Overview

- Sites came from Councils & shaped through Eastside Dialogues
- Reprioritize informed by:
 - *Project Commitments*
 - *Values and Priorities*
 - *Engineering Standards and technical feasibility*
- Distributed Option Set sets up Phase 2
 - *Sub-regional wastewater system design*
 - *Breadth and depth of comparisons*
 - *Public acceptability*



Further Discussion and Questions