



SkyNRG Americas, Inc – MSW to SAF Presentation


CAFFI - June 2021



SkyNRG Americas, Inc.

A new company started in 2020 with the same mission as SkyNRG
 Increase best-in-class SAF production for North American Markets

SkyNRG



- SkyNRG has 10+ years' experience in developing the market of Sustainable Aviation Fuels
- Sustainability is our core business and at the center of any decision-making process
- Supplied SAF to over 30 airlines on all continents
- Now developing the first dedicated SAF refinery in Europe: DSL-01



SkyNRG Americas Regional Management

John Plaza



- Built one of the largest biodiesel facilities in the world (100MGY) in WA - 2004-2015 – Imperium Grays Harbor in Hoquiam, WA.
- Provider of 1st demo SAF in 2008 with Virgin Atlantic, Boeing & GE
- Co-creator of PNNL Alcohol to Jet (ATJ) technology in 2010
- Proven track record in launching successful clean tech startups, raised over \$350MM in financing leading to successful liquidity events for shareholders

Darrin Morgan



- Leader of SAF at Boeing for 12 years - 2006-2018
- A principal architect of the global SAF sector since 2006
- Led financial efforts for large-scale first-of-kind renewable energy projects in PNW
- 20 years' experience in aviation, renewable energy, and private equity sectors



NewCo – SkyNRG Americas, Inc.



- SkyNRG Americas - Delaware C corporation headquartered in Bend, Oregon
- JV between management team and SkyNRG
- Focus on building SAF capacity/DSL facilities in North America
- Leveraging SkyNRG success in marketing/sales channels for offtake agreements



SkyNRG Americas partners with all key stakeholders in the supply chain

DSL – PNW Partnerships

Our approach to sustainability, scale, and success is collaborative. Every production facility has a unique profile, and we leverage our expertise to optimize each one for partner success. For SAF to take off, we need everyone to succeed.

Technology Providers

SkyNRG Americas will license technologies, including from LanzaTech and LanzaJet to realise our SAF production goals utilizing waste streams such as MSW and biogas.

Recycling waste into SAF provides the aviation industry ASTM approved, low carbon fuels with best in class sustainability and emission reductions.

LanzaTech 

LanzaJet 

Off-take Partners

SkyNRG Americas plans to supply SAF to airports in the PNW region and has signed a Memorandum of Understanding for SAF with Alaska Airlines. Furthermore, SkyNRG Americas will sell its SAF through SkyNRG's network of supply channels including additional airlines.

Alaska
AIRLINES


BOARD NOW
coalition for sustainable flying

Regional Stakeholders

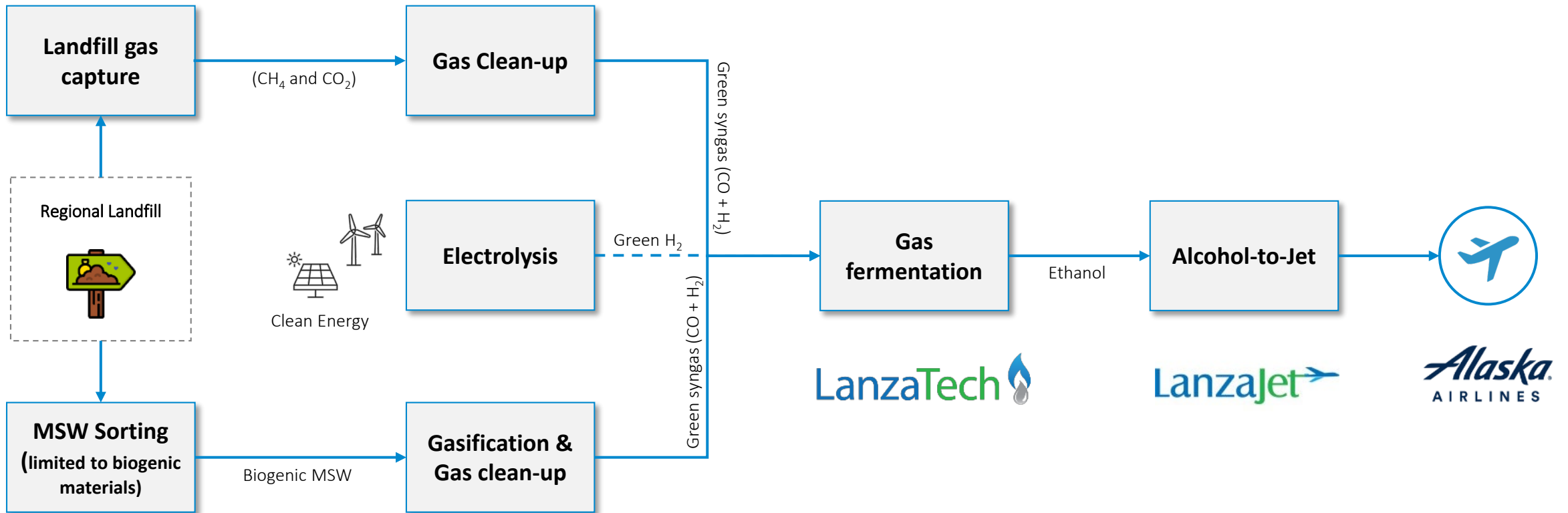
SkyNRG Americas is evaluating numerous industrial sites in the PNW region. Our focus is on securing local and regional partners, sourcing inputs, offtake contracts for our SAF, logistics, community support, and labor availability for our workforce needs.

Port of Seattle 

 **PORT OF PORTLAND**
Possibility. In every direction.®







And others...

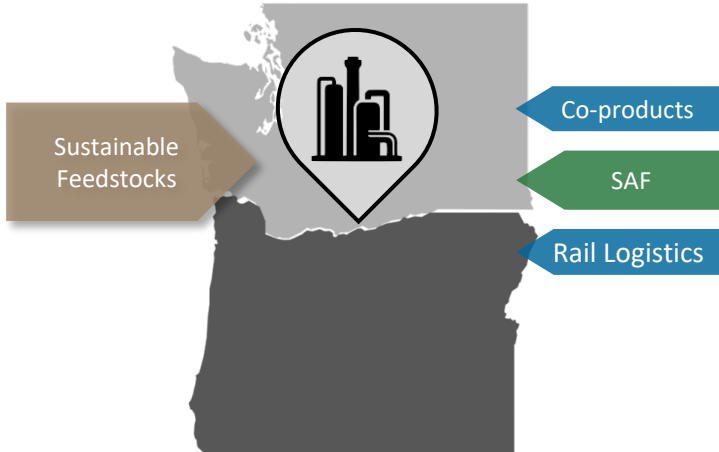
SkyNRG Americas assessing two high-potential pathways to convert MSW to SAF



US West Coast is the ideal region for development of SkyNRG Americas Pioneer SAF Direct Supply Line (DSL) based on waste streams from landfills

DSL Details

-  **TECHNOLOGY**
Gasification/Reforming, Fermentation and Alcohol to Jet
-  **FEEDSTOCKS**
MSW/landfill gas with additional sustainable waste stream biomass feedstocks
-  **POLICY INCENTIVES**
Eligible under the LCFS / RINS + growing strong low carbon policy support in WA, OR, CA and BC
-  **SUSTAINABILITY**
RSB Global & CORSIA sustainability certificates; providing 85% (or greater) life cycle green house gas emission savings
-  **CAPACITY**
expected to be in the order of 10-15 mgal/year SAF annually
-  **FUEL QUALITY**
Alcohol to Jet is qualified according to the ASTM D7566 certification under Annex 5 with a maximum blend ratio up to 50%

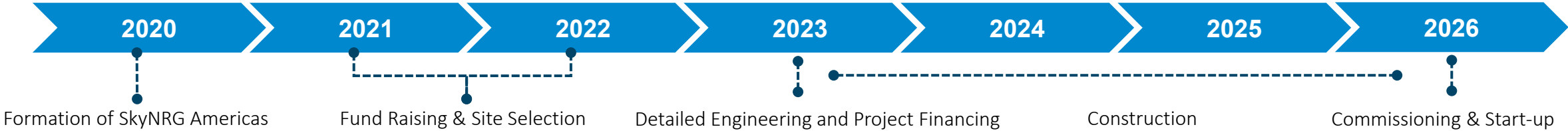
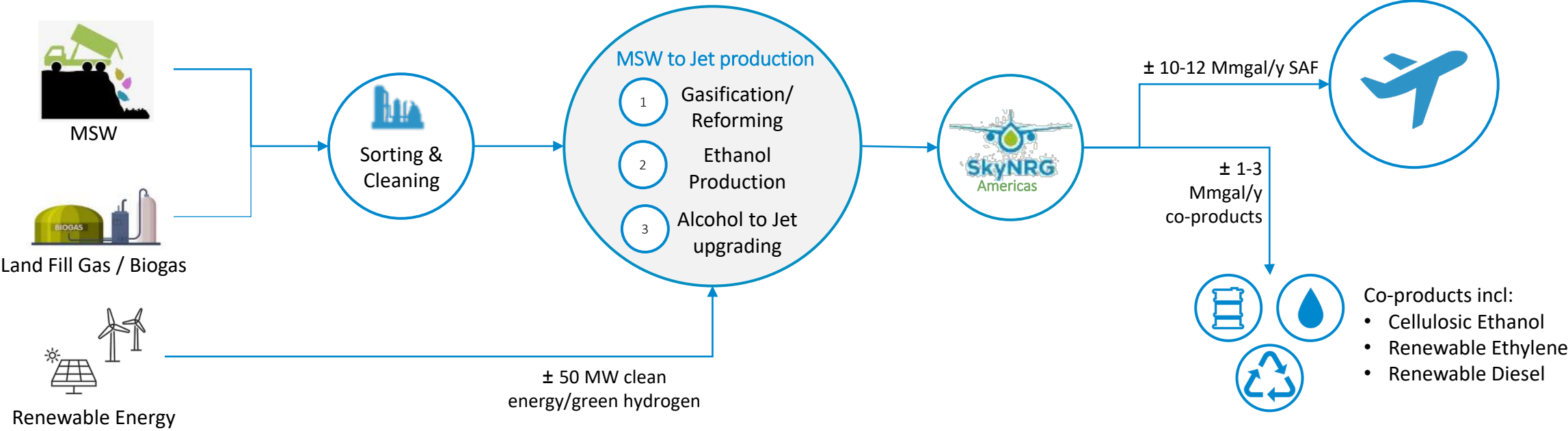


Regional waste streams and industrial sites








SkyNRG Americas: PioneerProject

DSL – USA Production overview – MSW to SAF via ATJ – ~15MGY of hydrocarbon outs



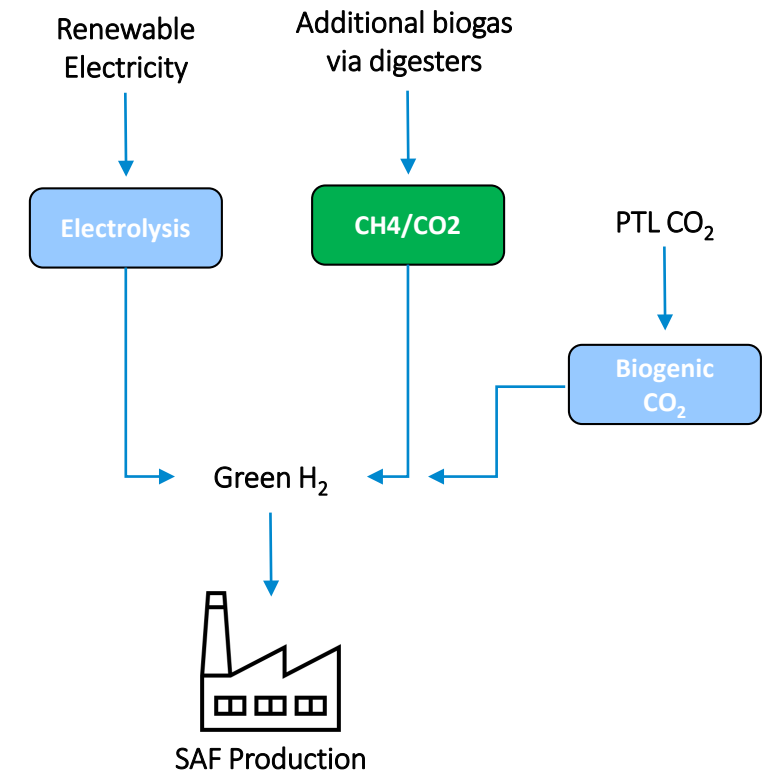
Additional synergies contemplated for growth including, renewable energy, green hydrogen and CO₂ to fuels in future

Green hydrogen benefits

-  Additional green hydrogen increases yield of SAF output
-  Increasingly cheap and abundant regional wind/hydro electricity in US
-  Significant Carbon Intensity (CI) reductions for LCFS incentives on West Coast of NA
-  Potential for developing technologies in Power to Liquids (PTL) to be incorporated in future
-  Allows for circular economy by mass balance of non-recyclable plastics to ethylene as co-product



Future proofing SAF production with regional synergies



After the Pioneer DSL-USA facility, we see significant growth potential in North America

DSL growth opportunities

- **British Columbia**

Very large availability of waste biomass, existing policy in BC and Federal levels, current project Bioport YVR, contacts at airlines AC and WestJet

- **Pacific Northwest (PNW)**

Ideal location for DSL PNW with ability to increase capacity to 100MGY with available inputs in the region, significant growth potential with current policy, and strong kick-off stakeholders

- **California/Nevada**

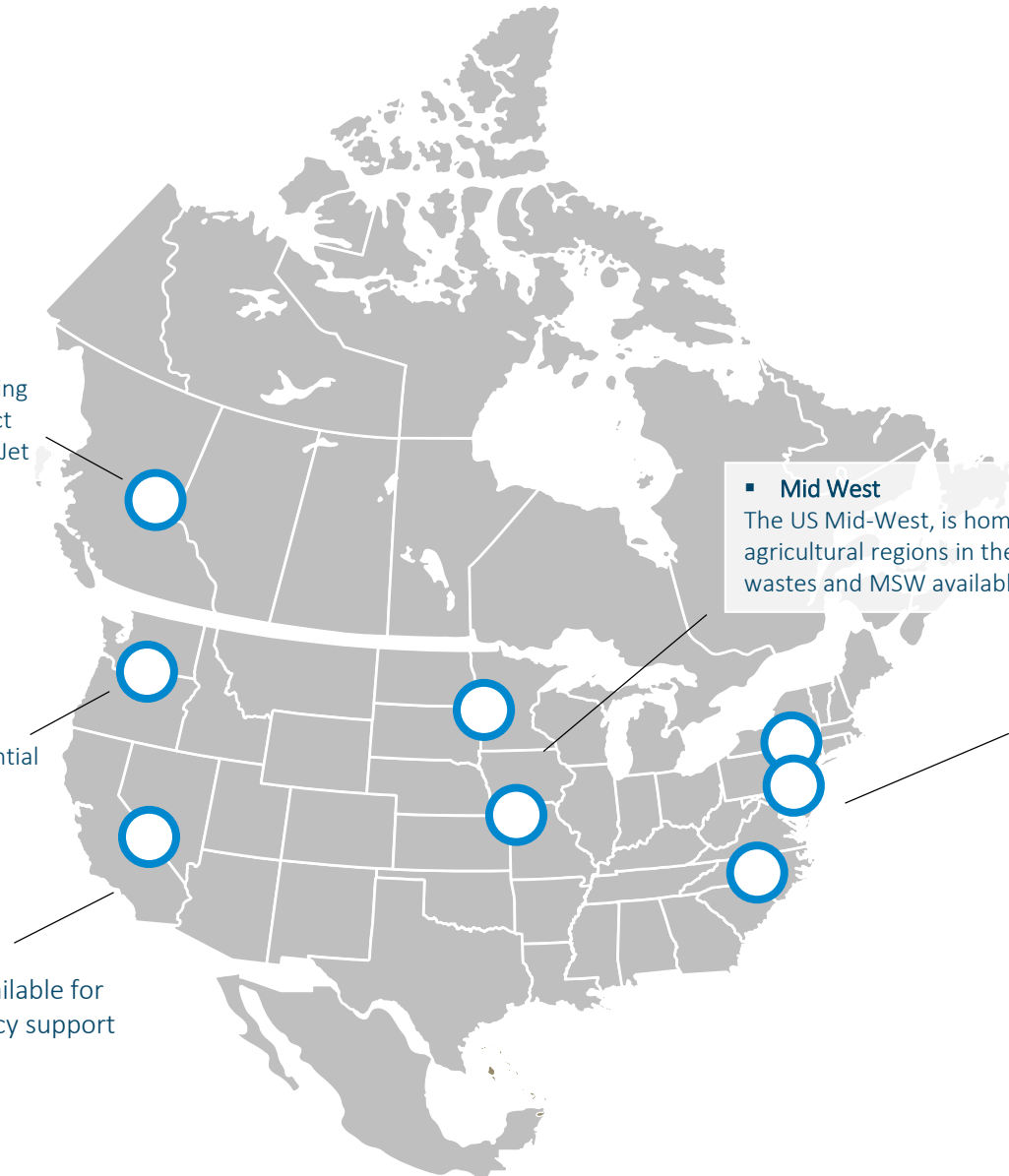
Significant waste streams available for SAF production – Strong policy support

- **Mid West**

The US Mid-West, is home to one of the largest agricultural regions in the world with significant ag wastes and MSW available.

- **Large cities**

All large metropolitan areas have MSW landfills with significant volumes and large demand for SAF



Thank you for your time

For any further questions,
feel free to reach out to us

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