

# Century Agenda

## Environment Long Range Plan

Commission Briefing  
April 26, 2016

# Environment Long Range Plan

*“Be the **greenest and most energy efficient** port in North America”*



Meet all **increased energy needs** through **conservation** and **renewable** sources



Meet or **exceed agency requirements** for **storm water** leaving Port owned or operated facilities



Reduce **air pollutants** and **carbon emissions**



**Anchor** the Puget Sound **urban-industrial** land use to **prevent sprawl** in less developed areas



Restore, create, and enhance **40 additional acres** of **habitat** in the Green/Duwamish watershed and Elliott Bay



- Reduce **air pollutant emissions by 50%** from 2005 levels
- Reduce **carbon emissions from all Port operations by 50%** from 2005 levels
- Reduce **aircraft-related carbon emissions at Sea-Tac by 25%**

# Situational Analysis

- Aviation and maritime industries very carbon intensive
  - Price of energy currently low but likely to increase over time
  - Port situated to lead industry change to low carbon
  - Port offers long-term stability in energy demand for potential developers
- State and region have among the most stringent environmental regulations in the nation
- Environmental stewardship defines the Puget Sound region



***Port is well positioned to lead in environmental innovation***

# Environment Agenda

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**Energy**

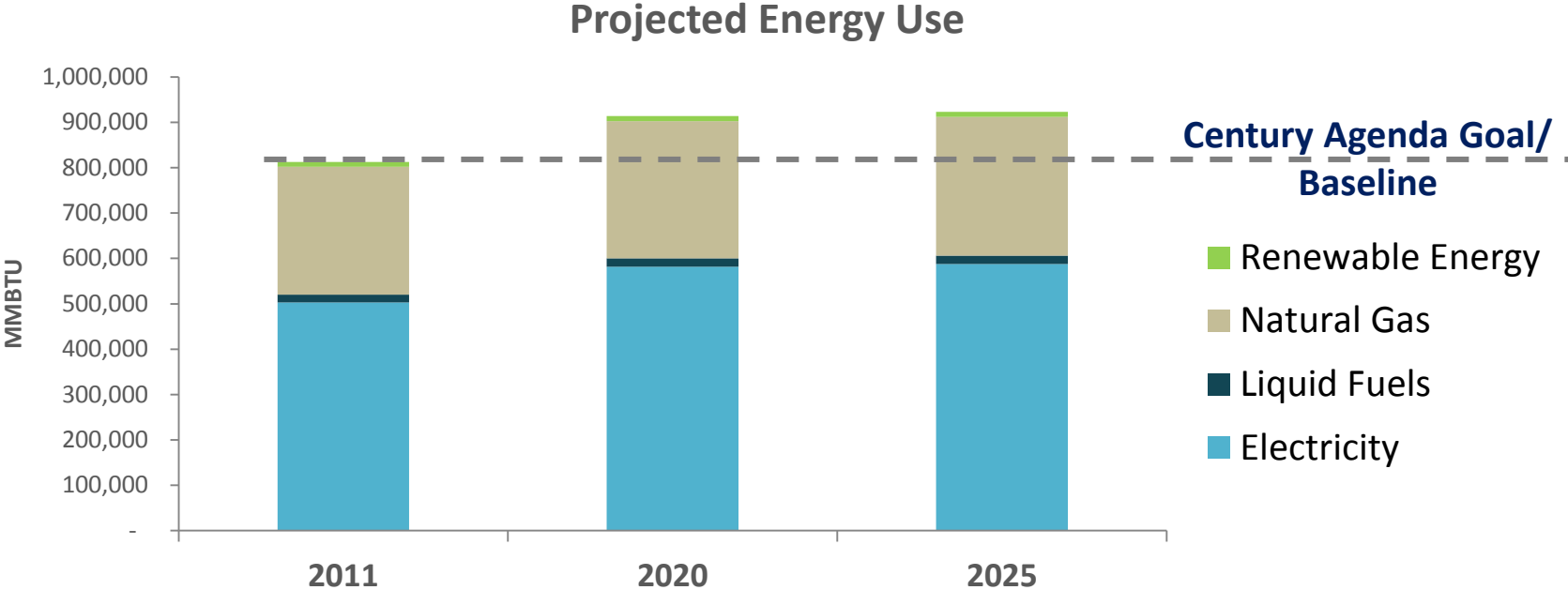
**Stormwater**

**Air Quality/  
Carbon Emissions**

**Urban Industrial  
Land Use**

**Habitat**

# Increased Energy Needs



*Energy needs are growing as the Port expands*

# Energy Actions

## Conservation

- Complete detailed energy baseline
- Implement energy efficiency projects
  - Lighting upgrades and HVAC
- Help tenants become energy efficient



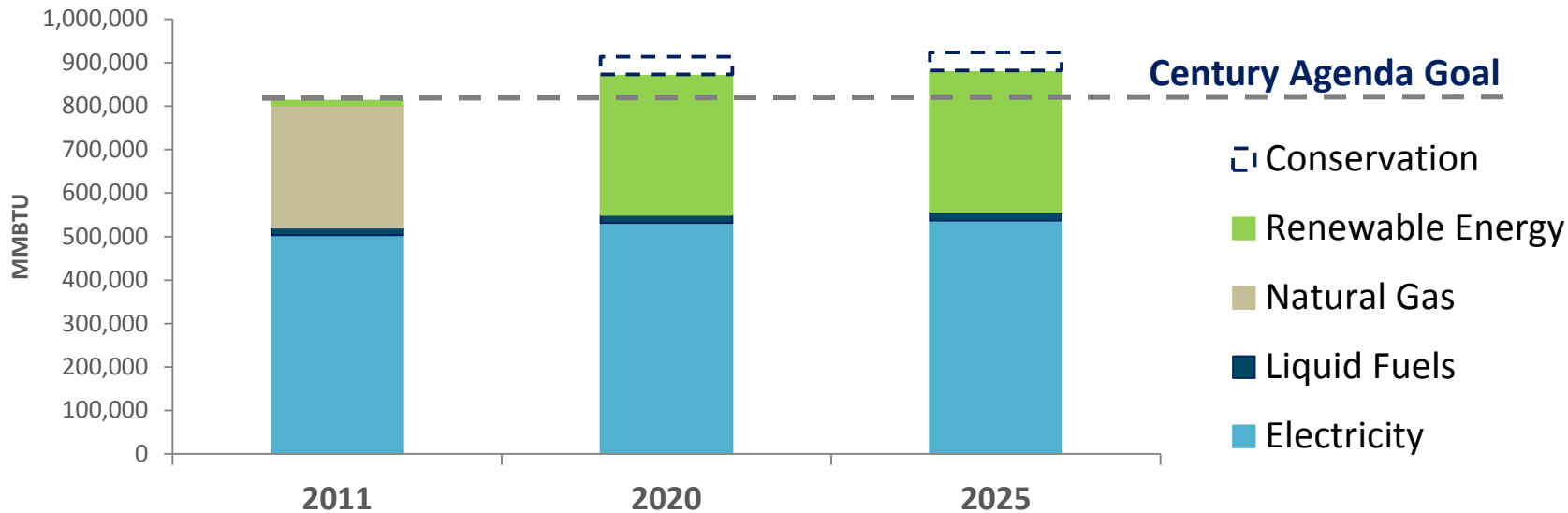
## Renewable

- Use renewable natural gas (e.g. from landfills, dairy farms, treatment plants)
- Deploy solar energy panels



*Leading innovation and change*

# Conservation and Renewables



*Exceed CA energy goal through conservation and renewables*

# Stormwater Actions

- New Port utility will improve stormwater infrastructure and water quality
- Implement Green Stormwater Infrastructure



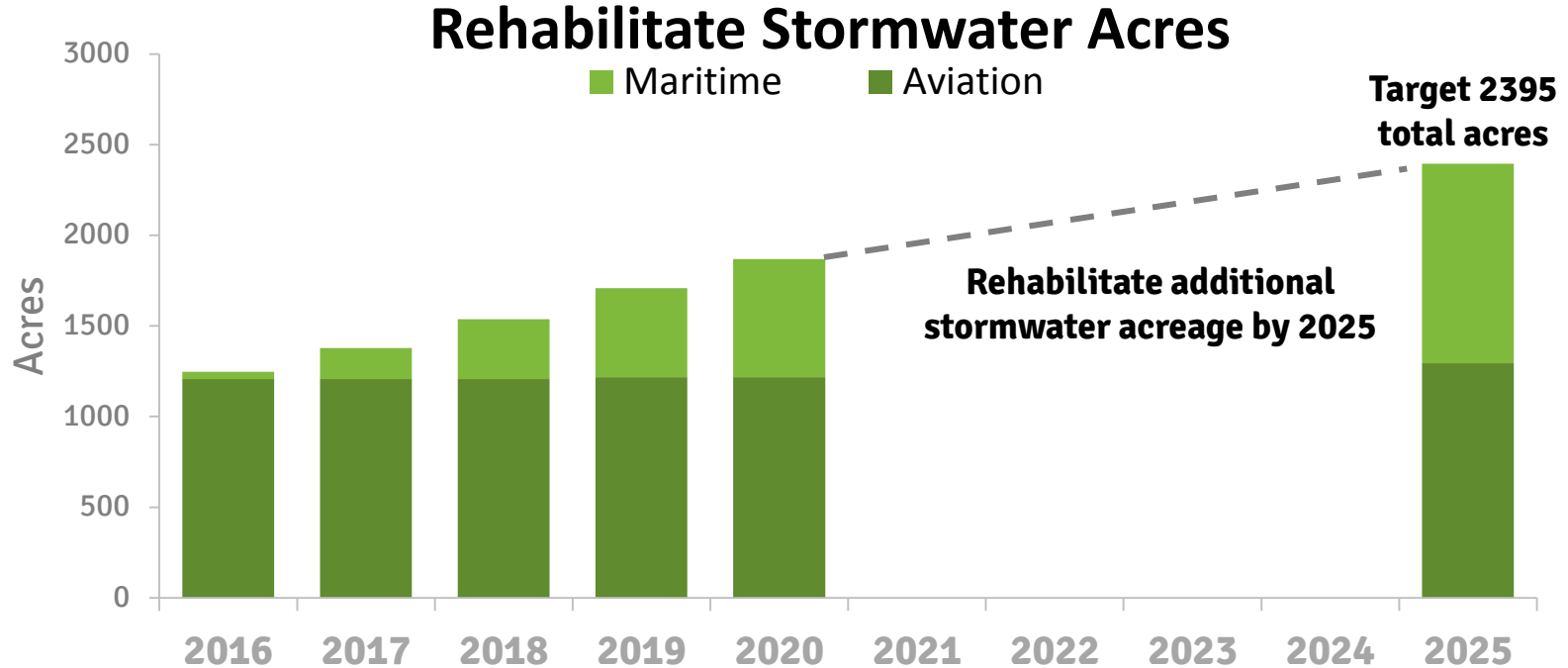
- Maritime parks are Salmon Safe certified
- Aviation will achieve Salmon Safe certification in 2016



*Cleaner water entering Puget Sound*



# Stormwater Infrastructure Upgrades Underway



*Stormwater utility creates stewardship opportunity*

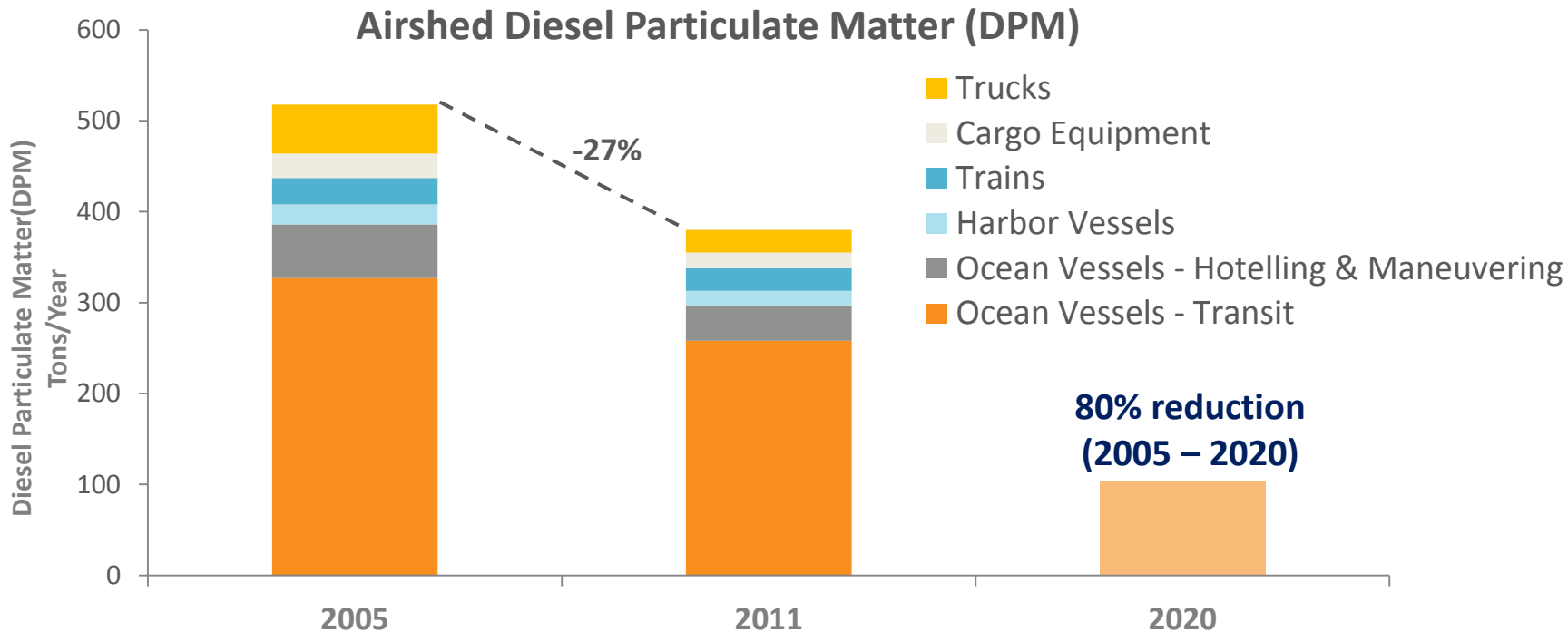
# Air Quality Actions

- Implement Northwest Seaport Clean Air Strategy
- Develop and implement Green Fleet Strategy
- Source Renewable Natural Gas
- Provide aviation biofuels (airport jet fuel)



*Partnerships are fundamental to success*

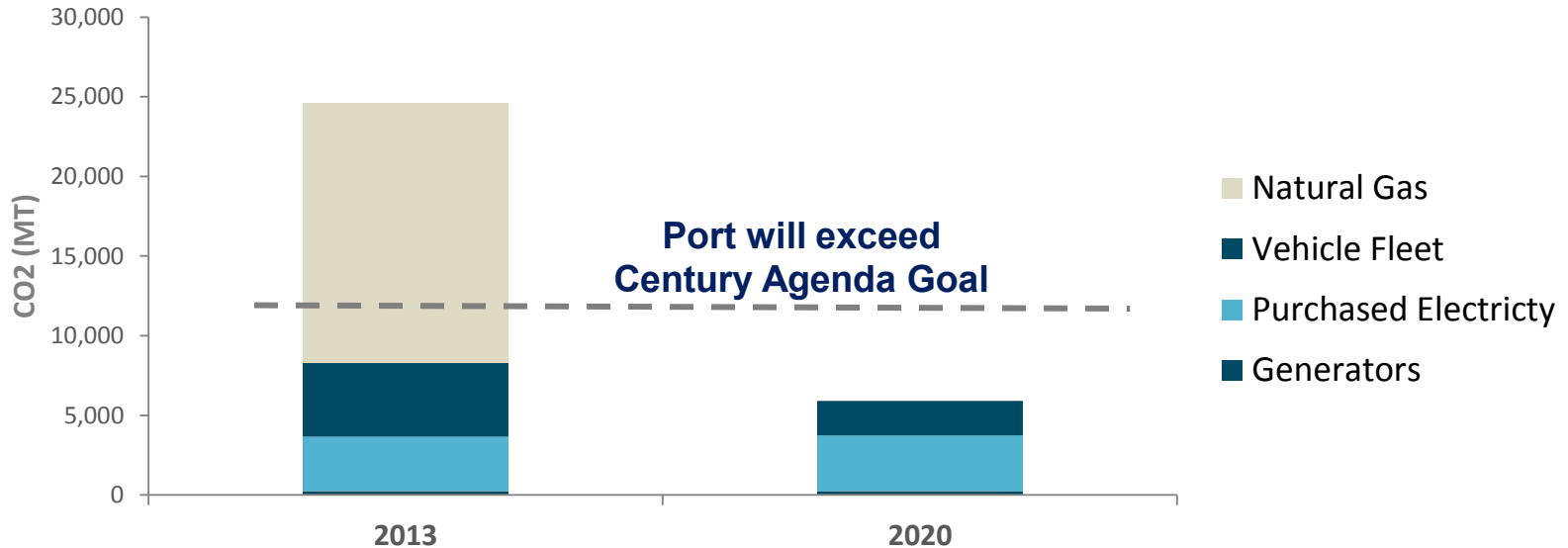
# Reducing Diesel Emissions



*We will exceed the Century Agenda goal*

# Reducing Port Greenhouse Gas Emissions

Portwide GHG Emissions



Port will exceed  
Century Agenda Goal

**Reducing Greenhouse Gas Emissions from Port operations by 50+%**

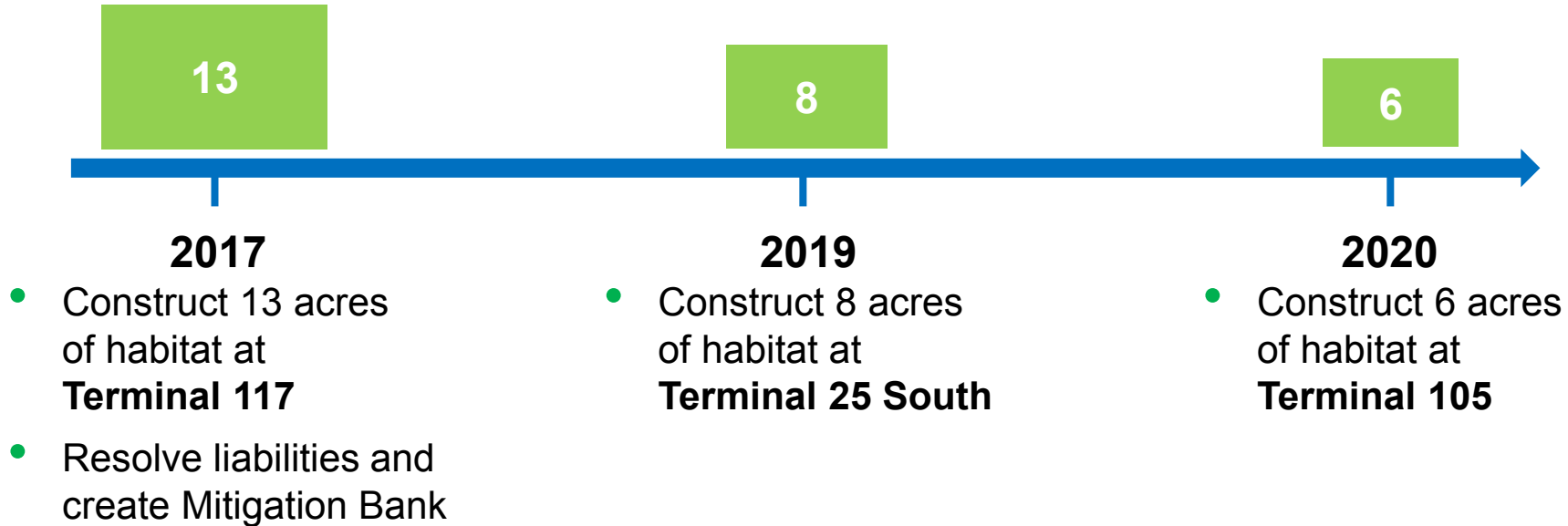
# Anchor Urban/Industrial Land Use

- Advocate for policies and projects that support **industrial uses** and **generate living wage jobs**
- Enhance key **legislative, community and business partnerships** to support Century Agenda objectives



*“...anchor the Puget Sound urban-industrial land use to prevent sprawl in less developed areas”*

# Restore, create, and enhance 40 additional acres of habitat in the Green/Duwamish watershed and Elliott Bay



*27 more acres of habitat by 2020; 40 total acres by 2025*

# Key Actions Summary



- Develop more detailed **baseline of energy use**
- Source **renewable natural gas** from landfills and dairy farms
- Install **solar energy panels**



- Implement **stormwater utility**
- Develop **green stormwater infrastructure** and rainwater capture



- Implement **NW Seaport Clean Air** strategy
- Develop **Port Green Fleet** Strategy
- Provide **aviation biofuel** (airport jet fuel)



# Key Actions Summary



- Advocate for **policies & projects that support industrial** uses
- Enhance **key partnerships** to support CA objectives



- Construct **habitat** at T117, T25, T105
- Create **habitat mitigation bank**
- Maintain **acreage at both Airport and Seaport**

