Agenda

- Current Energy System Agreement Structure
- Driving the Need to Renew Energy System
- NextGen Energy System Program Scope
- NextGen Energy System Program Timeline
- Current & Interim Energy Systems Program Timeline
Current Energy System Agreement Structure

Energy & Utility Infrastructure was renewed in 1999

Contractual Agreements amongst parties:

<table>
<thead>
<tr>
<th>Agreement</th>
<th>Expiration</th>
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<tbody>
<tr>
<td>Ground &amp; Equipment Lease Agreement (GEL)</td>
<td>June 2029</td>
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<tr>
<td>Easement Agreement (EA)</td>
<td>June 2029</td>
</tr>
<tr>
<td>Energy Services Agreement (ESA)</td>
<td>August 2019</td>
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<tr>
<td>Management, Operations and Maintenance Agreement (MOMA)</td>
<td>August 2019</td>
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Driving the Need to Renew Energy System

- Central Energy Plant (CEP) GE Combustion Turbines
  - Past Operational Life
  - Unreliable and not supported by manufacturer
- Utility Conditions Assessments performed in 2016:
  - Existing CEP requires major capital infusion
  - Steam Distribution system losses (29% of supplied steam)
  - 40% of the steam distribution system is 30 years beyond life expectancy
Develop NextGen Energy System
Program Scope

• Repower central energy plant
• Renew thermal distribution system
• Deploy assets that will have value beyond the end of NextGen contract
• Install controls upgrade to add resiliency and reliability
• Optimize plant controls to achieve energy savings.
• Deliver renewable energy strategies.
NextGen Energy Systems Program Timeline

- **2017**: Current Agreements
- **2018**: Energy Services Agreement (ESA) August 2019
- **2019**: Management Operations and Maintenance Agreement (MOMA) August 2019
- **2020**: Interim Energy Bridging Program
- **2021**: Interim Agency Agreement January 2020
- **2022**: Request for Proposal (RFP) June 2021
- **2023**: Negotiations & Approval January 2022
- **2024**: Contract Award January 2023

- **2025**: NextGen Planning/Design
- **2026**: Hire Support Services Consultants
- **2027**: Request for Information (RFI)
- **2028**: Request for Qualifications (RFQ)
- **2029**: Request for Proposal (RFP)
- **2030**: Grounds and Equipment Lease (GEL) June 2030

- **2031**: Final Approval
- **2032**: LMPD Approval
- **2033**: BCP/Finance Committee Approval
- **2034**: SFHW Approval
- **2035**: NextGen Program Start Date
Current & Interim Energy System Program Timeline

2017

2018

Today

RFP

2019

IEEP Award

2020

2021

2022

2023

Energy Services Agreement (ESA) August 2018

Management Operations and Maintenance Agreement (MOMA) August 2018

Interim Energy Bridging Program

Inter Agency Agreement January 2018

Request for Proposal (RFP) June 2018

Negotiations & Approval January 2019

Contract Award January 2018

Current Agreements

Ground and Equipment

NextGen Planning/Design

Hire Supporting Consultants

Request for Information (RFI)

Business Case

Request for Qualifications (RFQ)

Request for Proposal (RFP)

NextGen Contracts
QUESTIONS