NY ISO
IT Strategic Initiatives

Business Issues Committee Meeting
Thursday January 25, 2001

Agenda

→ **Introductions**

→ Background

→ Overview of IT Strategy and Initiatives

→ Phase I Project Deliverables

→ Looking Ahead

→ Q & A

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IT Strategy

➔ **Oct/Nov 2000 - 5 week strategy workshop**

    ➔ Objective

        ➔ To understand NYISO business priorities in order to create a long term IT vision for the future

    ➔ Attendees

        ➔ Market Participants Representing

            ➔ LSEs and TOs

        ➔ Cross-functional NYISO team

IT Strategy (continued)

➔ **Oct/Nov 2000 - 5 week strategy workshop**

    ➔ Outcomes

        ➔ Business Priorities

        ➔ 2+ year strategy/plan

        ➔ "ISO Scorecard"

            ➔ Tool to measure progress

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Business Priorities

1) Data Accessibility

➔ Problem:

➔ Providing customers access to accurate data at the appropriate level of detail

2) Interoperability/Real Time Access to Data

➔ Problem:

➔ Customers can not perform real time analysis of data

Business Priorities (continued)

3) New Marketplace Systems

➔ Problems:

   ➔ Customers do not see consistent navigation and "look and feel" when accessing NYISO web site

   ➔ Customers do not see web-pages that are customized to their specific needs

4) Improved Customer Management

➔ Problem:

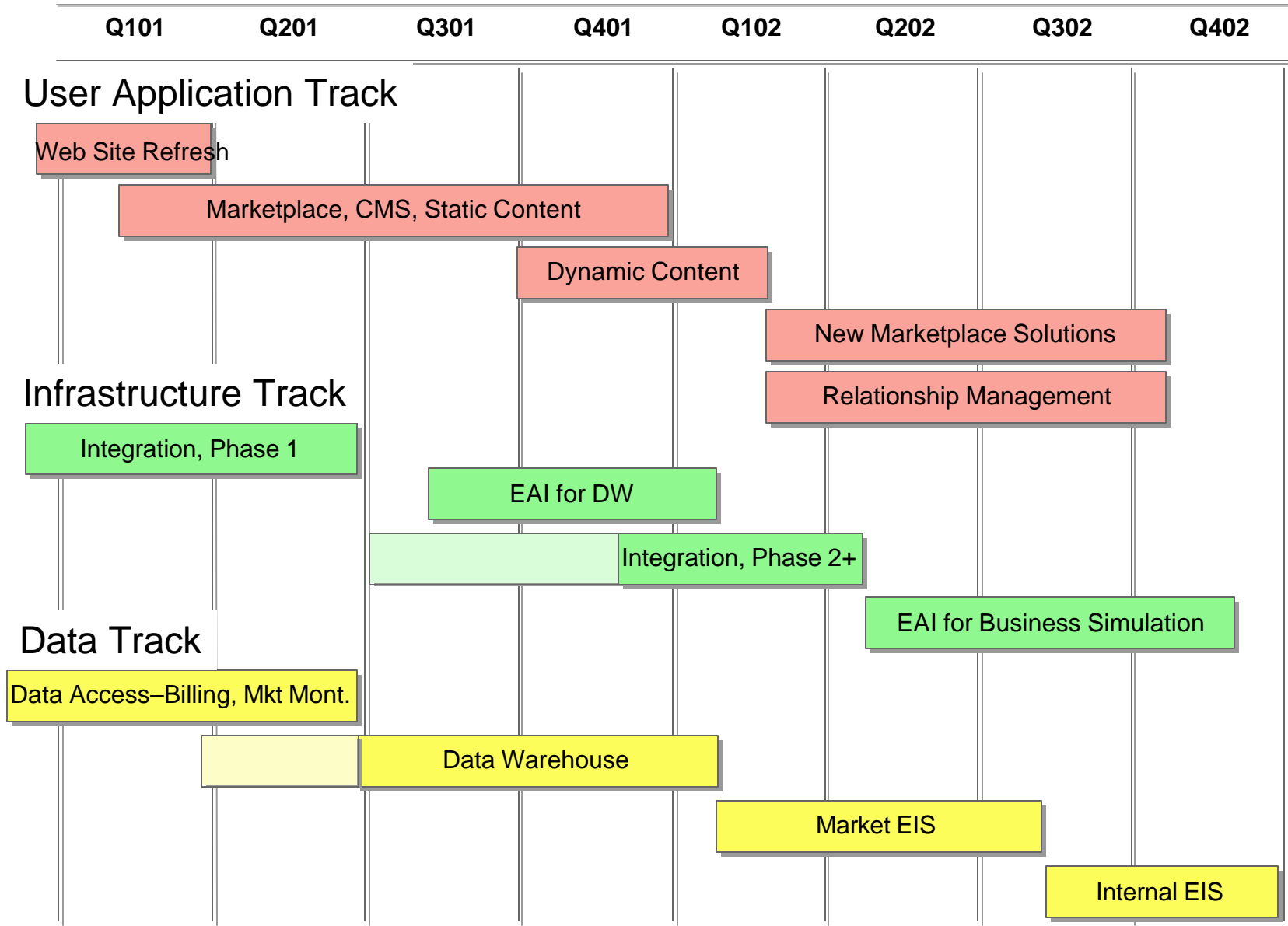   ➔ Inability for NYISO to consistently manage customer relationships and communication

2 Year High-Level Plan

➔ Documented complete breadth of business processes

➔ Developed phased approach, balancing:

    ➔ Business value

    ➔ Time and cost to develop

    ➔ Technical feasibility

High-level Project Plan

Q101	Q201	Q301	Q401	Q102	Q202	Q302	Q402

User Application Track

Web Site Refresh

Marketplace, CMS, Static Content

Dynamic Content

New Marketplace Solutions

Relationship Management

Infrastructure Track

Integration, Phase 1

EAI for DW

Integration, Phase 2+

EAI for Business Simulation

Data Track

Data Access–Billing, Mkt Mont.

Data Warehouse

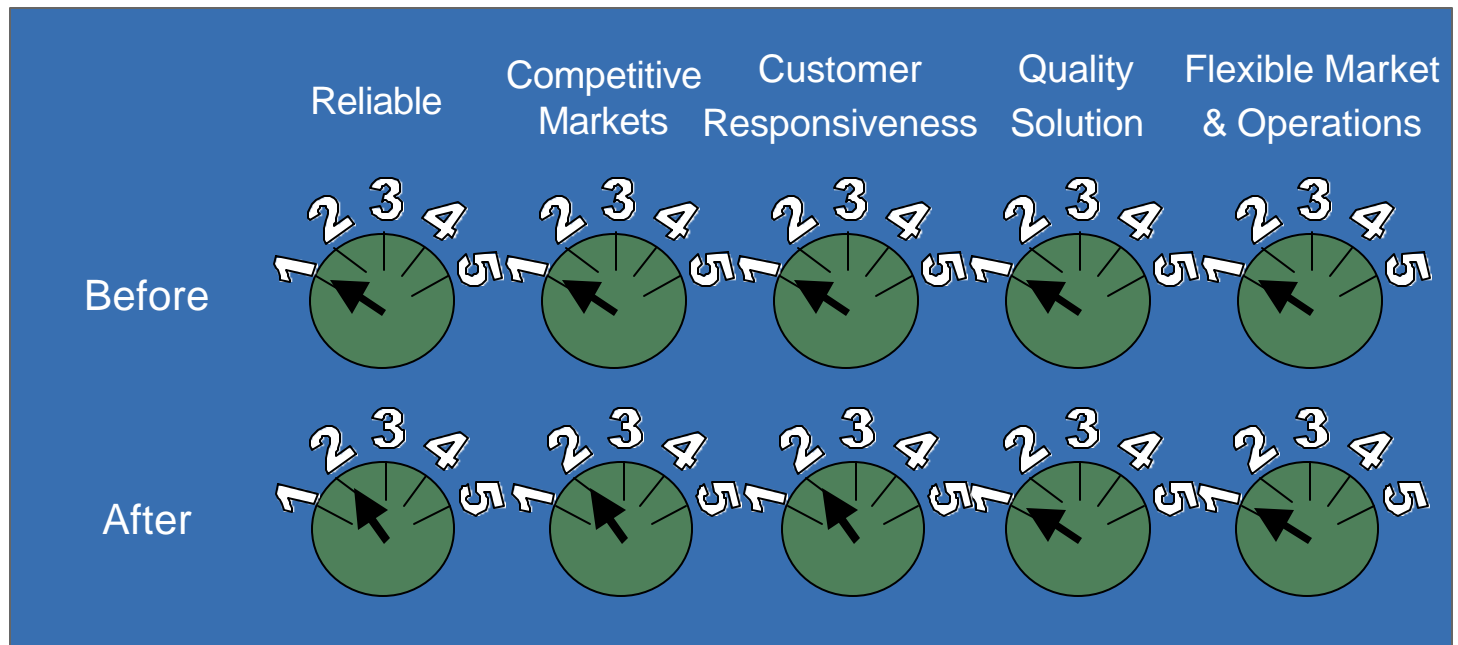Market EIS

Internal EIS

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Tool to Measure Business Value

➔ Defined an "ISO Scorecard"

➔ Tool to measure business value of new technology solutions at logical points in time throughout 2 year plan

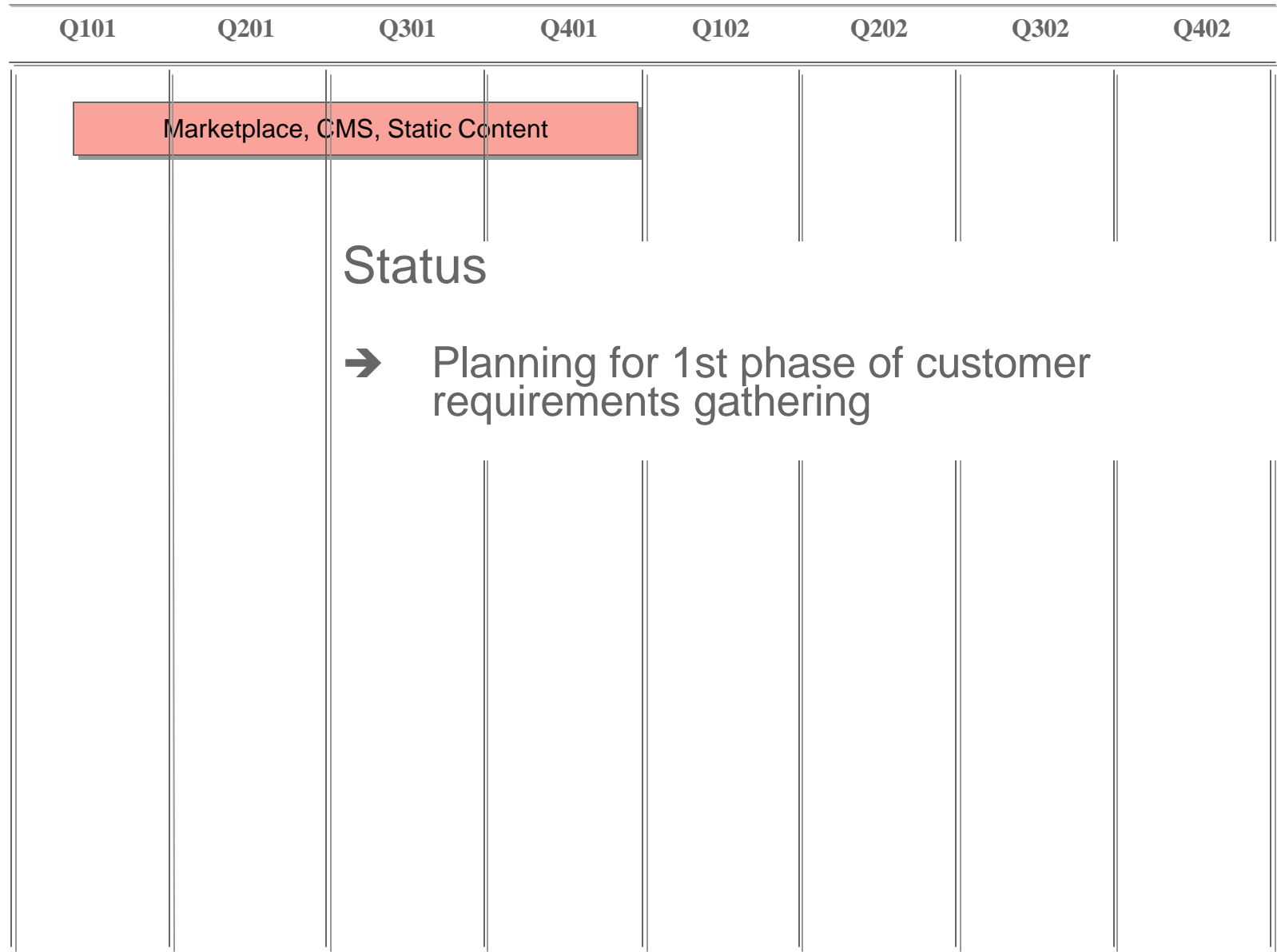➔ Based on business metrics

Phase I Project Deliverables

Web Site Refresh - Deliverables

Q101	Q201	Q301	Q401	Q102	Q202	Q302	Q402

Web Site Refresh

Deliverables

➔ Ability for customers to navigate to information more easily

➔ NYISO conveys "look and feel" more in line with being an advanced technology company

Marketplace Status

Q101	Q201	Q301	Q401	Q102	Q202	Q302	Q402

Marketplace, CMS, Static Content

Status

➔ Planning for 1st phase of customer requirements gathering

Integration - Phase I Deliverables

Q101	Q201	Q301	Q401	Q102	Q202	Q302	Q402

Integration, Phase 1

Deliverables

➔ Ability for NY ISO customers to access real-time business critical data not currently accessible in real-time:

- ➔ NYCA Internal & External Interface Limits & Flows
- ➔ PAR Limits & Flows
- ➔ Zonal Forecast & Actual Loads
- ➔ Zonal Capacity Forecast & Actual Capacity Outages
- ➔ Limiting Constraints
- ➔ Real-time Events Notification

Billing - Phase I Deliverables

Q101	Q201	Q301	Q401	Q102	Q202	Q302	Q402

Data Access–Billing, Mkt Mont.

Deliverables

➔ Ability to Drill Down on Pre-Bill Data

   ➔ Access to meter and load data

      ➔ Data source

      ➔ Calculated load values

➔ Ability to Drill Down on Post-Bill Data

   ➔ Access to underlying bill details

      ➔ Drill down from hourly to SCD level

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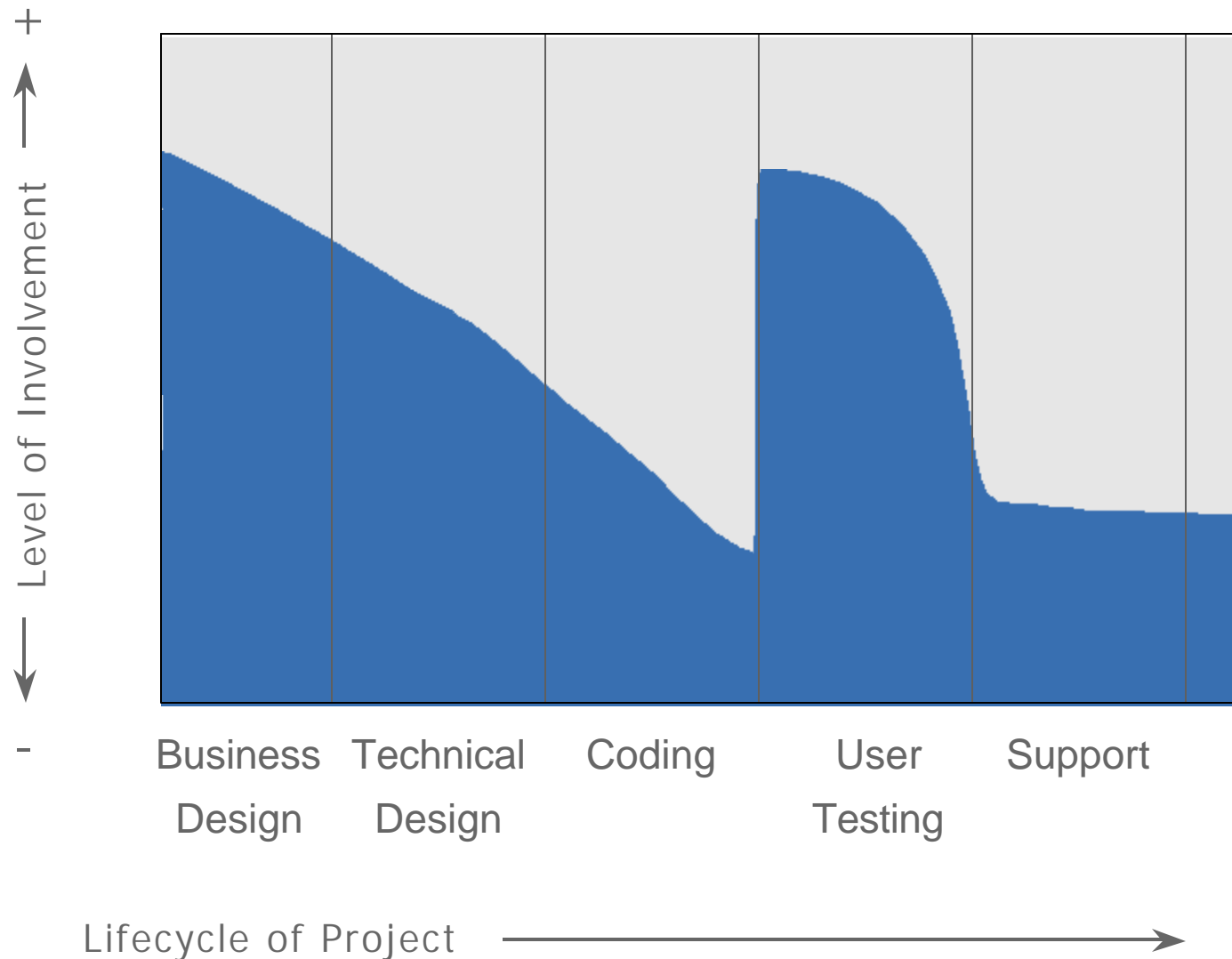# Market Monitoring - Phase I Deliverables

Data Access–Billing, Mkt Mont.

Deliverables

➔ Ability to more proactively identify potential gaming activities

➔ Ability to monitor LSE bidding activities

➔ Ability to proactively monitor Generator performance using historical data

Project Life Cycle &
When We Need Your Help

Level of Involvement

+

-

Business Design · Technical Design · Coding · User Testing · Support

Lifecycle of Project

Looking Ahead

➔ **High-level communication plan**

   ➔ **Monthly checkpoints with this group**

      ➔ **Review progress across all projects**

      ➔ **Continue to collect input on your priorities**

Looking Ahead (continued)

➔ We need your help in Feb & March with specific projects:

    ➔ Requirements gathering:

        ➔ Marketplace

        ➔ Real-time data

        ➔ Billing

    ➔ More details to come over the next few weeks..

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Questions?

Background

- → **New CIO**
- → **NYISO made strategic decision to get out of "fire fighting" mode**
- → **Implement solutions which enable NYISO to be more proactive**
  - → **Initiated IT Strategy Engagement with Sapient**